

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



# 2,47 Springfield Seed Co.

SPRINGFIELD, MISSOURI

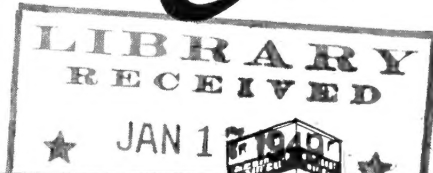
MISSOURI PERMIT No. 1

53 YEARS OF SATISFACTORY SEED SERVICE

1896



1949

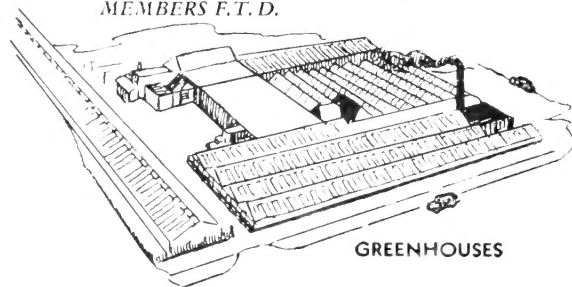


OFFICE AND WHOLESALE DEPARTMENT  
315-317-319 N. MAIN ST.



STORE AND FLORAL DEPARTMENT  
320-322 W. WALNUT ST.

MEMBERS F.T.D.



GREENHOUSES





# CORN and CLOVERS

## ALYCE CLOVER

A Summer annual reseeding each Fall. Produces more and finer hay and pasture than Lespedeza. Very drought resistant.

## LADINO CLOVER

A very large species of White Dutch Clover. More perennial in type than Red or Alsike Clover. Used in pasture and hay mixtures where the aftermath is to be grazed.



## RED CLOVER

Is the best known soil builder and hay crop in this section and is also a valuable seed crop.

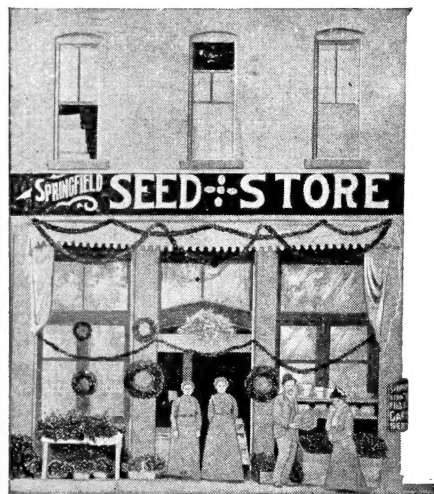
## HYBRID CORN

STAR BRAND 808 Hybrid Corn is a great drought and heat resister. Large ears with deep grains on a big strong stalk. Heavy yielder and does well on soils of average fertility and a great repeater among those who have used it.



STAR BRAND 808 HYBRID CORN





The first home of Star Brand Seeds, established in 1896. Expansions have been made throughout the years to take care of the increased demands.

# SPRINGFIELD SEED CO.

## 1896 - Fifty-Three Years - 1949

### Satisfactory Seed Service with STAR BRAND SEEDS

Our Main Plant and Office at 315-17-19 North Main Street was constructed in 1936 and especially planned to take care of the economical receiving, processing, packing and shipping of Star Brand Seeds. Our Office and up-to-date Seed Laboratory, where each lot of seed is tested for Purity and Germination, occupies a part of the second floor.

## GOOD SEEDS AND GOOD FARMS

For 53 years Springfield Seed Company has advocated the planting of good seeds. Even before the state laws required it, purity and germination certificates were attached to the bags of "Star Brand" seeds we sent out. Quality pays in seeds perhaps better than anything you use. Weeds rob farmers of millions of dollars each year.

The future of agriculture, as well as the welfare of our country, depends upon the maintenance of and building of our soils. Plan to keep some grasses and legumes growing on your farm at all times. Legumes grown with grasses increase the growth of the grasses because of the extra nitrogen obtained through the legumes.

## GARDENING PAYS

Thrifty and wise people have always gardened. The value of freshly gathered vegetables, crisp and full of flavor and health-giving vitamins is well known to all. The beauty and lasting quality of flowers from your own garden and the strength and sense of well-being derived from pleasant exercise is more than worth the effort. Even the city dweller has learned the benefit of bringing more of Nature into his works and days.

## STORE AND FLORAL DEPARTMENT

In 1900 we moved to Campbell and Walnut Streets, where our Store and Floral Department is still maintained.

Our Floral Department can serve you in Springfield or any place in the world through the Floral Telegraph Delivery Service.



Your order from this Catalog will receive our careful attention and be immediately sent to you.

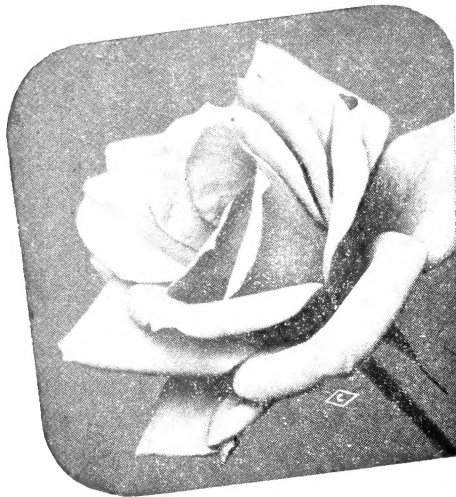
## Full Line of Greenhouse Products

In our Greenhouses hundreds of soil tests are made to check the dependability of Star Brand Seeds—before shipment is made of your order.

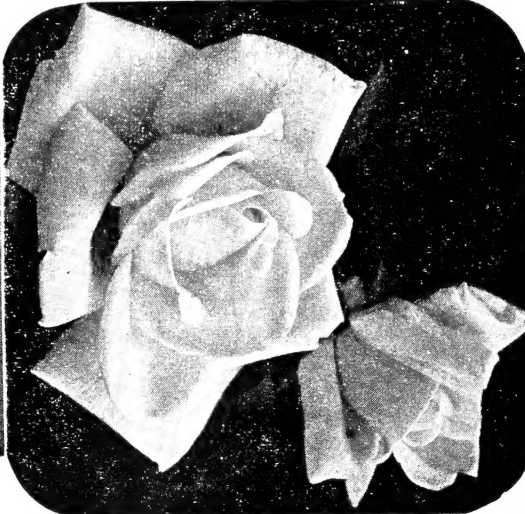
ORDER STAR BRAND SEEDS AND BE SURE

★ SPECIAL ★

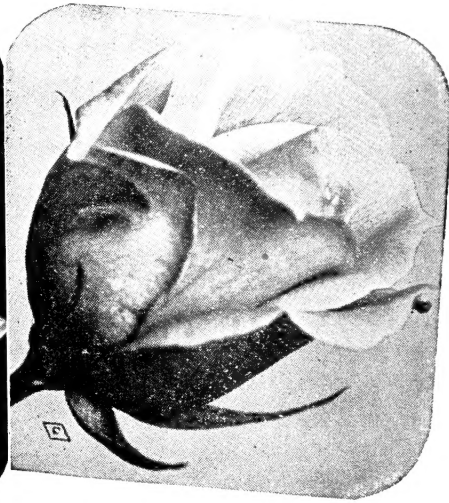
All Prices Subject to Change Without Notice



K. A. Victoria



Pink Radiance



President Hoover

## ROSES *Two-Year Field-Grown Plants*

FROM JUNE TO OCTOBER  
Each, \$1.10; 5 for \$5.00;  
12 for \$10.00.

**ROUGE MALLERIN.** Deep rich red with a velvety texture; does not fade or blue. Very fragrant and a healthy grower.

**McGREY'S IVORY.** Perfectly formed long-pointed buds of ivory-white. Always in flower.

**THE DOCTOR.** Immense long-pointed buds of sparkling pink, slowly open to great flowers 5 to 6 inches across, of exquisite satiny silvery pink. Intense fragrance.

**CONDESA DE SASTAGO.** A beautiful two-toned coppery red inside, golden tint outside. Delicately perfumed, robust in growth. It glows with outstanding brilliance in any garden.

**EDITOR McFARLAND.** Clear, brilliant pink; perfectly formed, long lasting when cut, strong stems. One of the finest pink roses ever introduced.

**EDITH NELLIE PERKINS.** Long pointed buds open into perfect flowers of orange-cerise, salmon, tinged gold inside.

**McGREY'S YELLOW.** Unfading canary-yellow flowers of excellent form with a mass of golden anthers glorifying the center of the flower. Dark, glossy holly-like foliage.

**P. S. DUPONT.** Double flowers of rich gold, spicy fragrance. Plants bushy and foliage attractive.

**ETOILE DE HOLLANDE.** Bright red; large—very fragrant. Perfect buds opening into a glorious red flower of incomparable fragrance. Strong grower, free branching and healthy.

**K. A. VICTORIA.** The best white; beautiful in bud and full flower; a free and continuous bloomer.

**MRS. CHAS. BELL.** A shell-pink Radiance; free bloomer.

**POINSETTIA.** This vigorous rose, so appropriately named, brings to you the brilliance, the glowing red color of the Christmas Poinsettia. Long pointed buds, strong grower.

**PRES. HOOVER.** Maroon and orange two-toned; vigorous plants; free bloomer. A rainbow of colors.

**RADIANCE.** Cameo-pink; large, intensely fragrant; blooms all season in all climates. One of the most popular roses due to its extreme hardiness and freedom of bloom.

**RED RADIANCE.** Clear even red, large; long lasting, hardy. The same qualities as Radiance but a rich cerise-red. No rose will excel it in growth or quantity of blooms.

**McGREY'S SCARLET.** Large vivid rose-red flowers. Plants are healthy and large. This rose is a deep scarlet-red and one of the best.

**DUQUESA DE PENARANDA.** Spectacular double flowers of apricot-peach color, very fragrant. Attractive foliage.

### CLIMBING ROSES

Prices same as for Bush Roses.

**CLIMBING AMERICAN BEAUTY.** Carmine red, fine form.

**PAUL'S SCARLET.** Intense scarlet, vigorous and free flowering.

**SILVER MOON.** Long pointed creamy white buds open into semi-double white flowers with golden yellow stamens.

### POLYANTHA ROSES

These Monthly Bloomers are among the most popular large-flowering Polyantha Roses, all outstanding monthly bloomers and beautiful in color, with abundant fragrance that will fill the air in your garden and in your home.

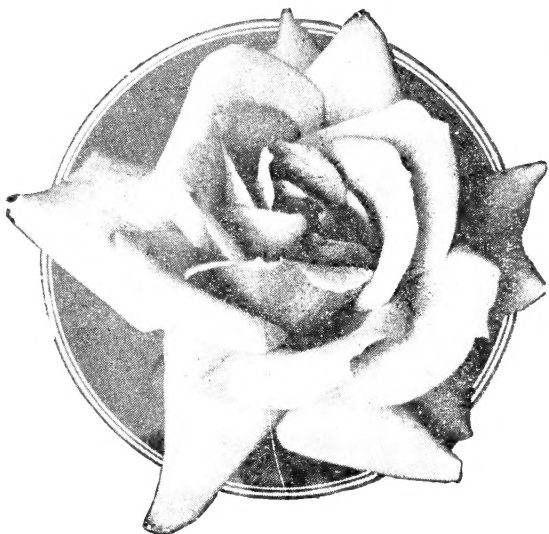
**ELSE POULSEN.** Rose-pink.

**LA FAYETTE.** Light cherry.

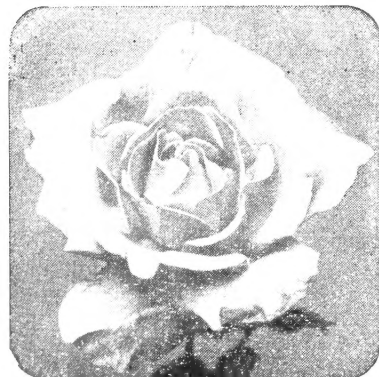
**CHEERIO.** A real deep pink.

**BABY IDEAL.** Red.

Hardy as Spirea. Always in bloom. Require no spraying. All that they ask is a little cultivation. Plant these Roses by the dozens.

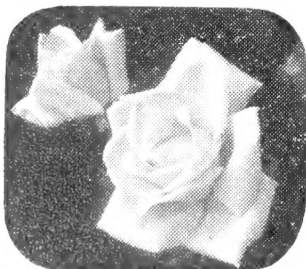


Edith Nellie Perkins

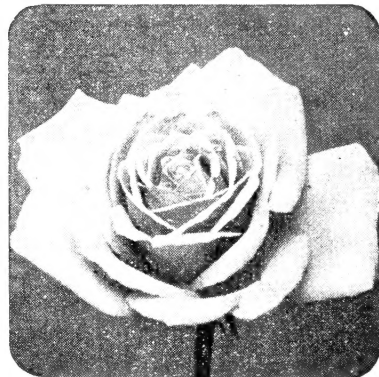


The Doctor

Thousands of rose growers depend on Vigoro, the complete plant food, to produce strong, healthy plants with large brilliantly colored flowers.

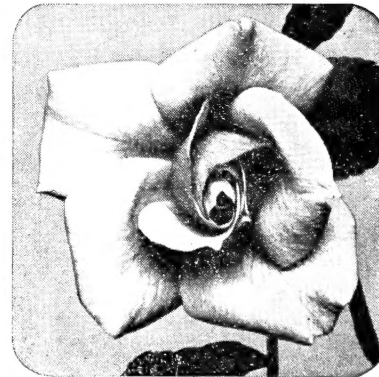


Red Radiance



McGredy's Scarlet

For Lawns, use  
**VIGORO**



Etoile de Hollande

**SILVER MOON.** The creamy white buds are long and pointed and open into semi-double, white flowers with golden yellow stamens. An excellent regular monthly bloomer.



McGredy's Ivory

# ★ Nursery Stock Department

Send in your order for nursery stock when you place your seed order. Our nursery department will ship the stock to you at the proper planting time. Our nursery stock is all strong, full of life plants, that are sure to grow.

For Complete Satisfaction  
Send Your Order to  
**Springfield Seed Co.**

Below we are listing popular planting sizes of Evergreens very reasonably priced.



## Springfield Seed Company's Evergreens

Add a Cheerful and Colorful Touch to the Landscape.

**ABELIA GRANDIFLORA.** Small white, trumpet-shaped blossoms all summer. Glossy foliage.

Each  
18-24 in. (B&B) .....\$2.75

**BERCKMANN'S GOLDEN ARBOR-VITAE** (Chinese). Conical, compact with bright green pressed leaf foliage, gold tipped.

Each  
18-24 in. ....\$3.95  
24-30 in. ....4.95  
30-36 in. ....5.95

**NANDINA DOMESTICA.** Foliage red in winter; clusters of red berries.

Each  
15-18 in. ....\$3.00  
18-24 in. ....4.00

**ASHFORDI JUNIPER.** Slender pyramidal; bluish.

Each  
2-3 ft. ....\$4.00  
3-4 ft. ....4.50  
4-5 ft. ....5.75

**IRISH JUNIPER.** Tall slender tree. Excellent for doorways or beside the garden seat. Grey-green foliage.

Each  
3-4 ft. ....\$5.00  
4-5 ft. ....6.50

All Evergreens F. O. B. Nursery.



**VOLCK.** Spray for the control of red spider, mealy bug, scale, thrips, white fly, aphids and rose mildew. Combines with nicotine and lead arsenate. Pt., 50c; gal., \$2.25.

## ARBOR-VITAE

**AMERICAN PYRAMIDAL ARBOR-VITAE.**

Each  
2-3 ft. ....\$4.00  
3-4 ft. ....5.00

**PFITZER'S JUNIPER.** The most popular spreading evergreen. Very hardy. Dark green foliage. Irregular type growth.

Each  
18-24 in. ....\$5.00  
2 1/2 ft. ....6.00

**SCOTCH PINE.** Rapid grower. Red bark. Very hardy. A spreading tree.

Each  
4-5 ft. ....\$ 8.00  
5-6 ft. ....10.00

### SPECIAL NOTATION

WHERE FREIGHT OR EXPRESS SHIPMENT IS NECESSARY, WE ARE REQUIRED TO BOX EVERGREENS FOR SHIPMENT AND AN ADDITIONAL CHARGE OF 25% MUST BE ADDED TO PRINTED PRICE.

Prices on Evergreens here listed are balled and burlapped ready to be moved by car or truck. Drive in and make your selection from our most complete assortment.

**AQUILEGIA** (Columbine). A beautiful assortment of yellow and blue long-spurred flowers.

**CARNATION, Red-Pink.** Hardy with pink or red flowers on stiff stems; fine for cutting, all summer.

**CHRYSANTHEMUM.** Glorious fall-blooming flowers: your choice of red, pink, bronze, and yellow. 60c each, 3 for \$1.50.

**COREOPSIS.** Golden yellow flowers on long stems; June until frost.

**DAISY, SHASTA.** Large pure white blossoms.

**DELPHINIUM** (Larkspur). Long showy spikes of varying shades of blue. Blooms in June and July, sometimes again in the fall.

**GAILLARDIA BURGUNDY** (New). Shining wine-red flowers about 2 1/2 inches across, borne on long, stiff stems, from June until frost.

**GARDEN PINKS.** Sweetly fragrant flowers in mixed shades from white through pink to red.

**GYPHOPHILA** (Baby's Breath). Two to three feet in height and most graceful in effect, with masses of tiny white flowers. Can be dried for winter bouquets. \$1.25 each.

## Perennial Flowering Plants

Per 3, \$1.00 . . . Per 12, \$3.25 . . . Prepaid

**HOLLYHOCKS.** An old fashioned flower that is always a favorite. Ours are double flowering, mixed.

**LINUM PERENNE** (Flax.) Very attractive both in foliage and bloom. Flowers beautiful pale blue on slender, graceful stems.

**PHLOX.** Showy flowers in a wide range of colors. Bloom from early summer till frost. 3 for \$1.40, 12 for \$4.75.

**PLATYCODON** (Balloon Flower). In the bud these flowers look like tiny toy balloons. They open to bright star-shaped flowers. Bloom nearly all summer. Colors blue and white.

**SWEET VIOLETS.** Another well-known flower that is popular. Deep violet and sweetly scented. 50c each, 3 for \$1.35.

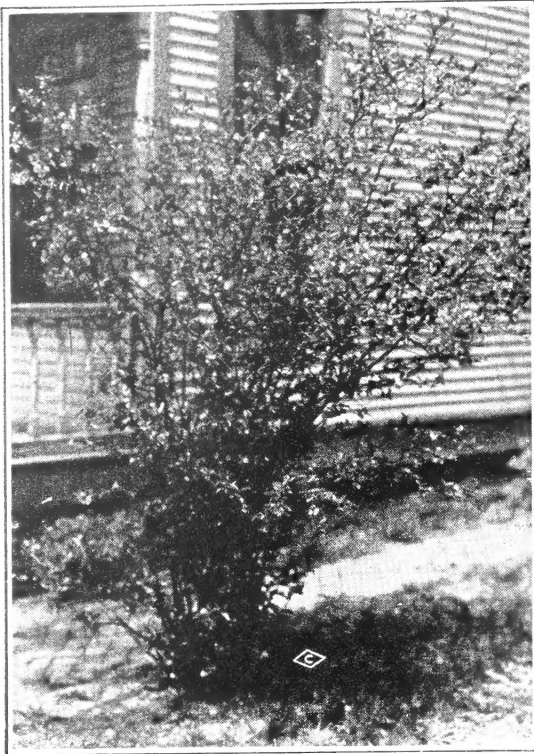
**SWEET WILLIAMS.** Fragrant showy flowers in early summer. Fine for cutting. Mixed shades of pink and red.

**TRITOMA** (Red-Hot-Poker). One of the showiest of all flowers. Large yellow to orange flower brands on tall stiff stems.

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.







JAPANESE QUINCE

## Heckrotti Honeysuckle

HARDY

EVERBLOOMING

PRACTICALLY EVERGREEN

DELIGHTFULLY FRAGRANT

Can be grown as shrub, vine or ground-cover.

90c each, 2 for \$1.60, prepaid

In bloom constantly from early summer until killing frost. Showy tubular flowers, with recurving petals; flame-red outside, bright yellow inside, borne in clusters, delightfully fragrant, almost evergreen. Can be used as an everblooming shrub, hedge, ground cover or vine. Known to be hardy in all parts of the country.



See Page 9 for description and prices on these Shrubs.

The Nursery Stock we offer is Missouri grown and is well adapted to this section.



HONEYSUCKLE

## Red Zabelli Honeysuckle

The new red Bush Honeysuckle. Bright red blossoms followed by red fruit. Grows 6 to 8 feet. Hardy, attractive foliage.

Parcel Post Grade.....\$0.75 Each  
Select Grade ..... .85 Each

## Silver Lace Vine

By far the fastest growing hardy vine—20 feet or more the first year. Leaves are glossy green. Completely covered with snowy white flowers.

\$1.15 each, 3 for \$3.10, postpaid.

## Pride of Rochester

Earliest blooming in May. Many large, double white flowers. Grows about 6 feet tall. Popular on account of its regal appearance.

Parcel Post size, 75c each; 3 for \$2.00; postpaid.



HYDRANGEA. A. G.

**BEAUTYBUSH.** One of the best flowering shrubs with graceful branches covered with delicate pink flowers in great profusion. Closely related to Weigela but possesses a greater degree of beauty and refinement.

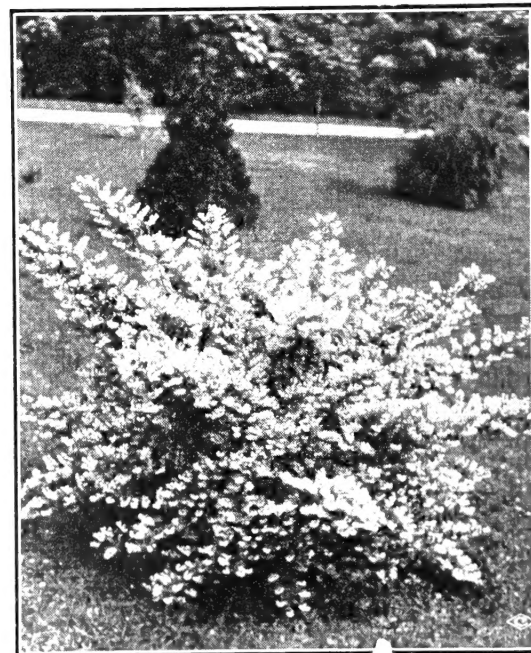
Select, \$1.00.

**BEAUTYBERRY.** Graceful branches covered in August with thousands of closely set small pink flowers. These are followed in September by masses of glittering violet-blue berries in dense clusters along each branch.

Select Grade, 85c each.

**GLOBE-FLOWER.** A handsome green-branched shrub growing 5 feet or more in height, with shiny bright green leaves and early double orange-yellow flowers throughout the summer.

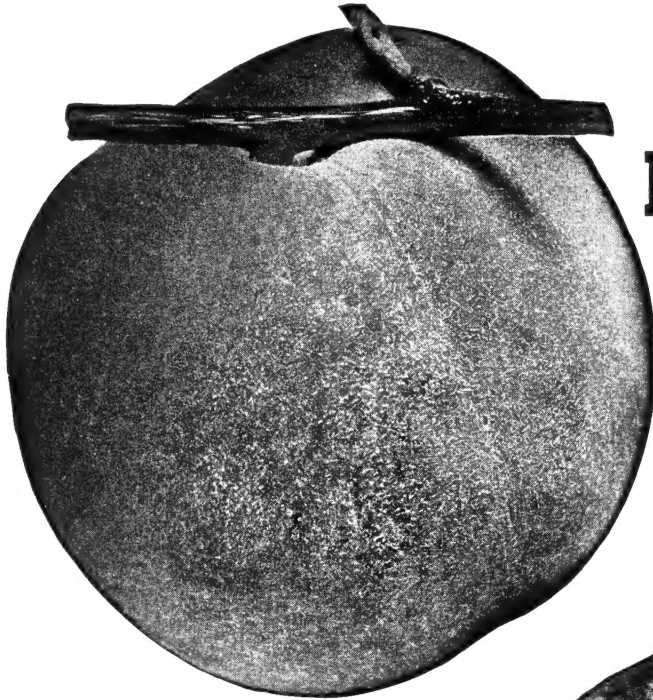
Select Grade, \$1.25 each.



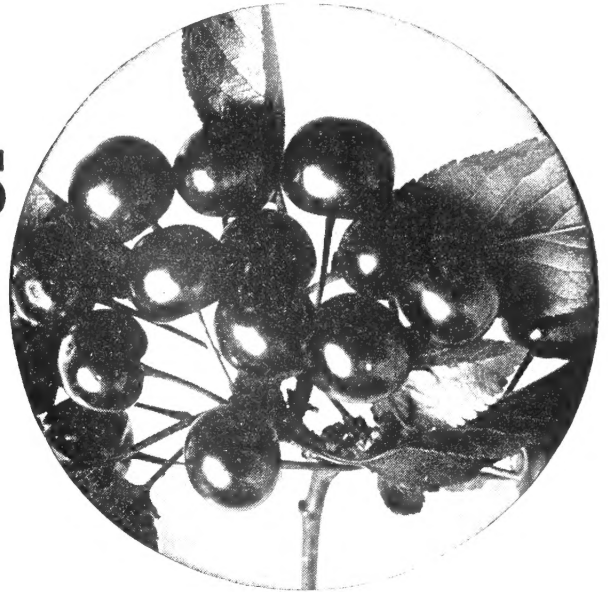
DEUTZIA, PRIDE OF ROCHESTER

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.





## FRUITS



**EARLY ELBERTA PEACH**

	Each	5	25
2-3 ft., prepaid.....	\$0.75	\$3.25	\$13.25
3-4 ft., prepaid.....	.90	4.00	18.25

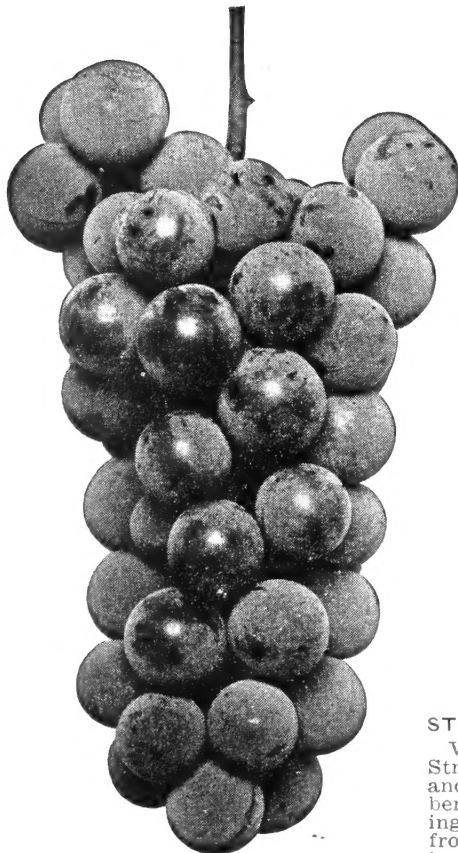
**EARLY RICHMOND CHERRY**

	Each	5
2-3 ft., prepaid.....	\$1.35	\$6.00
3-4 ft., prepaid.....	1.75	7.50



**YELLOW DELICIOUS APPLE**

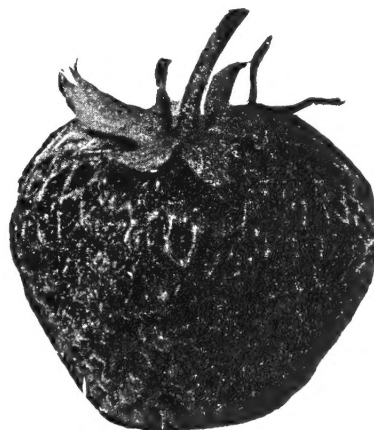
	Each	5	25
2-3 ft., prepaid.....	\$0.70	\$3.00	\$13.25
3-4 ft., prepaid.....	.80	3.50	16.00
4-5 ft., not prepaid..	.90	4.00	17.50



**SHERIDAN.** A new blue-black grape.

Each .....	\$0.40
Per 4.....	1.20
Per 12.....	3.00
Per 25.....	5.25

**Prepaid.**

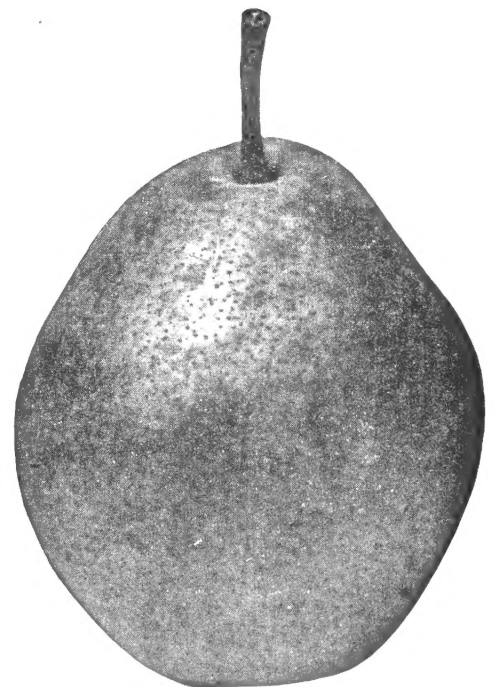


**STREAMLINER (Everbearing) STRAWBERRY**

Without question the outstanding everbearing Strawberry. Very large berries of rich red color and the finest flavor and quality of any Strawberry. Starts bearing 60 to 90 days after planting and you will have berries right up to heavy frosts. It is a heavy bearer and is self pollinizing. We recommend this everbearer anywhere—it has everything, large size, excellent flavor, good color, and is a heavy bearer. Be sure to plant some Streamliner—the best there is.

	25 Plants	50 Plants	100 Plants
Prepaid.....	\$2.15	\$3.75	\$6.25

**Postpaid.**



**DOUGLAS PEAR**

Known to produce a pay crop the second year after planting. Has produced fruit from the third set of blooms (first two sets froze). Blight-resistant. Good quality fruit and an excellent producer in all areas. Very popular in the South.

	Each
2-3 ft., prepaid.....	\$1.15
3-4 ft., prepaid.....	1.45
4-5 ft., not prepaid.....	1.60

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.

# FRUIT SECTION

## APPLES

	Each	Per 5	Per 25
2-3 ft., prepaid.....	\$0.70	\$3.00	\$13.25
3-4 ft., prepaid.....	.80	3.50	16.00
3-5 ft., not prepaid.....	.90	4.00	17.50

### EARLY—

**RED DUCHESS.** This is a strain of the Duchess. The only difference is that it colors somewhat earlier, and better, which is a big advantage for the commercial Apple grower. Profits are larger because of the earlier marketing quality. Plant a few of these in your orchard this year.

**YELLOW TRANSPARENT.** (Early Summer.) The best extra early Apple; medium size; a beautiful clear yellow; smooth, waxy, brilliant skin. Unexcelled for pies, tarts and apple sauce. Tree extremely hardy, upright, compact grower; often used as a filler; reliable cropper.

**SUMMER CHAMPION.** A late summer or early fall Apple. Large, attractive, red, and of fine quality. Tree is hardy and a heavy bearer.

**WEALTHY.** (Late Summer.) A most dependable and widely planted late summer Apple; bright red striped; medium to large size. Ripens over a long season. Very good quality. Tree upright grower; often used as a filler; very hardy; bears young.

### FALL—

**GRIMES GOLDEN.** Highest quality; good for eating out of hand, for pies, marmalade and dumplings. Bright yellow with pink cheeks.

**JONATHAN.** Best known and best beloved of all apples. Bright red fruit, high flavor; bears young and abundantly.

### WINTER—

**RED DELICIOUS.** Fine grained, juicy, mild. A wonderful eating apple. Color light green shaded to dark red. You need this apple.

**WHETSTONE.** The Missouri Fruit Experiment Station put in 40 years' time and effort crossing Jonathan and Ben Davis to develop an Apple with Jonathan quality and Ben Davis productiveness and keeping qualities.

**WINESAP.** December to April. Medium size, dark red, juicy, mild. Good to eat "as is" or for jellies, pies or marmalade.

**YELLOW DELICIOUS.** Some say the quality is better than even the Red Delicious. A dependable cropper and a good keeper.

**RED ROME BEAUTY.** Identical with the Rome Beauty except that it colors earlier and has more red color. Hence, it is a more profitable Apple for the grower. This is also a hardy, vigorous Apple tree, and is a popular favorite in almost every section of the apple country.

**RED STAYMAN.** Everyone is familiar with the wonderful, early coloring qualities of the Red Stayman. The Dark Red Stayman is a marvelous improvement over many Stayman Apples; has more color and keeping qualities. It is the solid dark red which makes it a universal favorite.

**TURLEY WINESAP.** A truly fine quality Apple of a beautiful ruby-red color of the Stayman type. Absolutely does not crack. This is Indiana's greatest gift to the Apple industry and their most precious crop. You, too, will find it a profit maker.

**BLACK BEN.** (Winter.) The best of the Ben Davis family. It attains a much higher color than Ben Davis or Gano. The tree is harder, more vigorous and more prolific than Ben Davis. Fruit is large, solid dark red.

**YORK IMPERIAL.** (Winter.) Bright pin-striped with dark red; fair quality. Its oblique or lop-sided shape is a notable characteristic. A very heavy bearer. Easy to handle. Imperial good keeper in dry storage.

## CRAB APPLES

**VIRGINIA.** One of the finest Crabs for home use, and being a heavy producer of large pink fruit of unusual hardness makes it a profitable market Crab.

## CHERRIES

	Each	Per 5	Per 25
2-3 ft., prepaid.....	\$1.35	\$6.00	
3 ft., prepaid.....	1.75	7.50	

**EARLY RICHMOND.** Medium size, dark red, very juicy; exceedingly productive and hardy.

**MONTMORENCY.** About ten days later than Early Richmond. The famous pie cherry. The fruit is large, red, mildly acid.

## PEACHES

	Each	Per 5	Per 25
2-3 ft., prepaid.....	\$0.75	\$3.25	\$13.25
3-4 ft., prepaid.....	.90	4.00	18.25

**CHAMPION (Freestone).** Flesh white with red at the pit; one of the best in quality and hardness. Ripens midseason.

**RED BIRD (Clingstone).** The best of the early peaches. Good size, white flesh, good flavor. Hardy, vigorous, productive.

**GOLDEN JUBILEE (Freestone).** Fruit of enormous size, golden yellow, rich and syrupy. Ripens extra early. A new commercial variety.

**HALEHAVEN (Freestone).** Combines the best qualities of the J. H. Hale and South Haven. Yellow meat, early. Another new variety.

**J. H. HALE (Freestone).** Very large, deep golden yellow, of delicious flavor. Tree very hardy and productive.

**EARLY ELBERTA.** Our own special strain of Early Elberta that we have fruited for years. Ripens five days ahead of Elberta. A smooth-skinned Peach, yellow background with bright crimson blush. Much better flavor than regular Elberta and of good size. Brings top prices on every market.

**BELLE OF GEORGIA (White Freestone).** (Midseason.) An unusually handsome large Peach. Creamy white blushed with red; good quality. A favorite with commercial growers. Very hardy, vigorous and productive. Ripens August 1st.

**ALTON.** This Peach in our own orchard has proven one of the hardest, most profitable of the Belle of Georgia type, ripening about half way between Red Bird and Elberta. It is a semi-cling, white Peach with beautiful red blush. You'll have a crop of Altons whenever seedlings bear. Ripens about July 15th. The tree is strong, stocky, good grower, well-branched, and it is an extremely good, regular bearer. All in all, the Alton is a money-maker for the farm or home.

**LATE ELBERTA (Yellow Freestone).** A large yellow Peach with red cheek, of Elberta type, ripening last of August, extending the Elberta season twenty days.

## GARDEN ROOTS

**ASPARAGUS.** 2-Year Washington Rust-Proof. For tender, green tips in early spring. 25 roots, \$1.35; 100 roots, \$4.25; prepaid.

**RHUBARB ROOTS, Victoria.** Large roots, each, 25c; doz., \$2.50; postpaid.

**RHUBARB ROOTS, Ruby Red.** Solid red variety all the way through. Excellent for pies and sauce. Strong divisions, 75c each, postpaid.

**HORSERADISH ROOTS.** To be dug in late winter or early spring for an appetizing relish. 6 roots, 55c; 1 doz., 95c, prepaid.

# FRUITONE

REG. U. S. PAT. OFF.

### THE HORMONE SPRAY

Stops premature drop of Fruits, Flowers and Leaves. Also increases production of Tomatoes, Beans, Corn, Alfalfa and Clover. 2/5-oz. Pkt., 25c; 2-oz. Can, \$1.00. Ask for prices in larger quantities.

## DAMAGE FROM INSECTS

The world contains approximately 6,000,000 kinds of insects, and, in the United States alone, insect damage and control amounts to about \$2,000,000,000 annually.

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.

# SMALL FRUITS

## GRAPES

Plant in rows ten feet apart, eight feet apart in the row. Can be planted along the fence and turn that waste ground to a most profitable crop. Prices prepaid.

	Each	Per 4	Per 12	Per 25
<b>CONCORD.</b> Black Midseason, large .....	\$0.40	\$1.20	\$3.00	\$5.25
<b>MOORE EARLY.</b> Black, early, large, sweet .....	\$0.40	\$1.20	\$3.00	\$5.25
<b>AGAWAM (Red).</b> The most wide- ly grown of the red Grapes. Large, rich, sweet and aromatic. Ripens after Concord .....	\$0.40	\$1.20	\$3.00	\$5.25
<b>PORTLAND.</b> Earliest of varieties to ripen. Large, white fruit; spicy, luscious flavor. A very hardy, popular, money-making variety. Usually ripens a few days ahead of Fredonia. The amber-white color makes it one of the most popular varieties.....	\$0.40	\$1.20	\$3.00	\$5.25
<b>DIAMOND (Green).</b> It is the hard- iest, most productive and vigorous of the green Grapes. It reserves a high place among the best for commercial and home vineyards. Blooms midseason .....	\$0.40	\$1.20	\$3.00	\$5.25
<b>FREDONIA (Purple).</b> A new Grape which experts and most growers say will soon become the leading black Grape in America. It ripens early, 10 days before Moore's early. Berries are large, very juicy, and have delicious flavor. This vigorous, productive variety is unusually hardy. Plant some Fredonia vines this year ....	\$0.40	\$1.20	\$3.00	\$5.25

## CHINESE ELM SEEDLINGS

A splendid lot of large-size seedlings for extensive plantings.  
25 Seedlings, 2-3 ft., for \$2.25, prepaid.

## BERRY PLANTS

	Doz.	25
<b>THORNLESS BOYSENBERRY.</b> A berry twice the size of a Youngberry, with a combination flavor of Loganberries, Raspberries and Blackberries. Pro- duces berries about 2½ months' period of time. Pre- paid .....	\$2.50	\$4.25

## BLACKBERRIES

	Doz.	25	100
<b>EARLY HARVEST.</b> One of the earliest berries, medium sized, good quality and very produc- tive. Prepaid.....	\$2.00	\$3.35	\$10.25
<b>ELDORADO.</b> Fruit handsome in appearance and of high quality. Ripens in early midsea- son. Immune to blackberry rust. Prepaid.....	2.00	3.35	10.25
<b>MCDONALD.</b> (Very Early.) A blackberry- dewberry hybrid. It is large, oblong, very good quality; drought-resistant, vigorous grow- er; plant in rows 8 to 10 feet apart. The vine trails on the ground the first season like the dewberry, but grows upright the next year. Grown in Missouri, Oklahoma and Texas. Not hardy and is self-sterile. Plant every fourth row with Lucretia Dewberry or Early Harvest to develop good berries.....	1.60	3.25	10.25

Any COMPLAINT whatever to be registered immediately upon receipt of shipment, otherwise we will not entertain any complaints.

## STRAWBERRIES

FOR SPRING SHIPMENT ONLY

<b>AROMA.</b> (Late.) Favorite market and home garden variety. Berries wedge-shaped, very deep red, solid, rich and delicious. 25 for 85c 50 for \$1.50 100 for \$2.50; Postpaid.	
<b>GIANT GEM.</b> Everbearing Strawberry. By its outstanding performance over a period of years, Giant Gem has long been a leading everbearing Strawberry. Very productive. Bright red berries are large, good quality, and ripen evenly. They will bear this summer, 90 days after planting. Next year they will bear spring, summer, and fall. 25 for \$1.35 50 for \$2.50 100 for \$4.00; Postpaid.	
<b>BLAKEMORE.</b> (Extra Early.) This fine variety has proved its worth during these drought years, producing large crops under most adverse conditions. Firm, excellent color, heavy producer. 25 for 85c 50 for \$1.50 100 for \$2.50; Postpaid.	
<b>SENATOR DUNLAP.</b> (Medium Late.) The old reliable berry that thrives everywhere, producing big crops on all soils. A favorite for canning, table and market. 25 for \$1.00 50 for \$1.75 100 for \$2.85; Postpaid.	
<b>STREAMLINER.</b> Everbearing Strawberry. Without question the outstanding everbearing Strawberry. Very large berries of rich red color and the finest flavor and quality of any Strawberry. Starts bearing 60 to 90 days after planting and you will have berries right up to heavy frosts. It is a heavy bearer and is self-pollinating. We recommend this everbearer anywhere—it has everything, large size, excellent flavor, good color, and is a heavy bearer. Be sure to plant some Streamliner—the best there is. 25 for \$2.15 50 for \$3.75 100 for \$6.25; Postpaid.	

## RASPBERRIES

<b>BLACK—</b> <b>CUMBERLAND.</b> Fruit large and firm; keeps and ships well. Stout, well branched canes that produce immense quantities of fruit. 12 for \$2.00 25 for \$3.25 100 for \$10.50; Prepaid.	
<b>RED—</b> <b>LATHAM.</b> Large fruit, richly brilliant red; most attractive. Perfectly hardy and a heavy crop producer. 12 for \$2.30 25 for \$3.50 100 for \$11.50; Prepaid.	
<b>MORRISON BLACK RASPBERRY.</b> (New Giant Black Raspberry.) This new berry is drought resistant and ripens a little later than Cumberland. Berries of immense size, very sweet and juicy. Plants are healthy, vigorous growers. 12 for \$2.50 25 for \$4.00 100 for \$12.50; Prepaid	

## GROW FRUIT and VEGETABLES for HEALTH and PROFIT

## VINES

	Each	2 for
<b>BOSTON IVY.</b> Clings to smoothest wall; foliage dense; very hardy. Prepaid.....	\$0.85	\$1.60
<b>ENGLISH IVY.</b> Semi-hardy evergreen vine; does best on north or east side.....	.75	1.25
<b>CLEMATIS JACKMANI.</b> Dark purple flowers from four to six inches across. July to October. Prepaid..	1.50	2.75
<b>SILVER LACE VINE (Polygonum).</b> A rapid grower, bears a great mass of white flowers in late summer. Prepaid .....	1.15	2.25
<b>WISTERIA.</b> (Grafted.) Our plants are grafted and sure to bloom. Beautiful lilac-purple.....	1.35	2.60
<b>HALL'S HONEYSUCKLE.</b> Nearly evergreen; flowers white to yellow, very fragrant. Prepaid.....	.60	1.00
<b>SCARLET TRUMPET HONEYSUCKLE.</b> Bright scarlet flowers in profusion. Prepaid.....	.60	1.00
<b>HECKROTTI HONEYSUCKLE.</b> Early blooming. Prepaid .....	.90	1.60
<b>BITTERSWEET.</b> Orange-yellow seed pods bursting open to show scarlet seeds, very attractive in early winter. Prepaid .....	.60	1.00

## PROTECT YOUR FRUITS Ask for our complete Spray Chart.

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.

## SHADE TREES NOT PREPAID

	Size	Each
Transplanted Stock (not seedlings)—		
BIRCH, Weeping (Cutleaf or Silver).....	4-5 ft.	\$2.50
	5-6 ft.	3.00
WHITE ASH. A good all-purpose shade tree. Free from insects and diseases. Hardy.....	5-6 ft.	2.00
	6-8 ft.	2.85
ELM, AMERICAN. With wide-spread and drooping branches, this is our best street tree.....	5-6 ft.	1.35
	6-8 ft.	1.60
BROADLEAF CHINESE ELM. The fastest growing tree in America. Hardy, drought resistant, beautiful.....	5-6 ft.	1.50
	6-8 ft.	1.95
ELM, CHINESE. Rapid growing and dense foliage.....	5-6 ft.	1.35
	6-8 ft.	1.85
MAPLE, SILVER. Grows rapidly into very large tree, foliage light green with silvery underside.....	5-6 ft.	2.00
	6-8 ft.	2.85
MAPLE, SUGAR. One of the best street and park trees. Dense, upright grower.....	5-6 ft.	2.75
MAPLE, NORWAY. One of the best trees for street and park.....	5-6 ft.	2.85
	6-8 ft.	3.85
POPLAR, LOMBARDY. Tall, slender trees for screens and backgrounds.....	5-6 ft.	.85
	6-8 ft.	1.00
WEeping WILLOW. Beautiful graceful, lacy tree with long drooping branches, densely covered with fresh green leaves. A rapid grower. We have either the green-barked or golden barked varieties. State preference when ordering.....	5-6 ft.	1.35
	6-8 ft.	2.00
Above Not Prepaid.		

## TRANSPLANTONE

Reg. U. S. Pat. Off.

The Vitamin-Hormone Plant Stimulant. Use on seedlings, shrubs, rose bushes and trees. Stimulates backward plants and regenerates roots. One ounce makes 1,000 gallons of solution. 1/2-oz. pkg., 25c; 3-oz. can, \$1.00.

For Flowers, use  
**VIGORO**

## FLOWERING TREES

	Size	Each
BECHTEL'S FLOWERING CRAB. A beautiful, compact tree with double pink flowers; very fragrant. Prepaid.....	2-3 ft.	\$1.50
FLOWERING PEACH. Few plants are more striking when in bloom than the flowering peach. Available in red.....	3-4 ft.	1.60
HOPA FLOWERING CRAB. Pink flowers, red fruit, rapid growers. Prepaid.....	3-4 ft.	1.70
RED LEAF PLUM. One of the best red leaf plums; semi-dwarf. Prepaid.....	3-4 ft.	1.90
REDBUD (Judas Tree). Bright lavender flowers in early spring before the foliage appears. Not prepaid.....	4-5 ft.	1.85
DOGWOOD, White Flowering. Large white blossoms in early spring. Foliage colors beautifully in fall. Prepaid.....	2-3 ft.	1.90
	3-4 ft.	2.75

Any COMPLAINT with reference to any or all Nursery Stock must be made on arrival.

TREE TANGLEFOOT. A paste preparation painted around trunk of tree to keep caterpillars, etc., from crawling into tree. 1-lb. can, 80c.

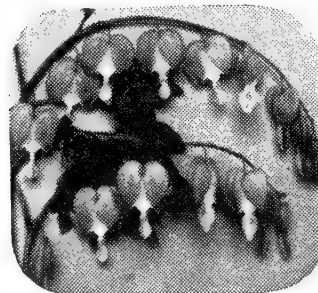
## HEDGES



An ornamental hedge speaks for itself. It frames the lawn and gives it a background. On the smaller grounds the low hedges are used, while for larger grounds and for screening purposes, the larger growing kinds are used. In most cases they should be planted one foot apart.

	Per 12	Per 25	Per 100
Plants 1 to 1 1/2 ft. tall, branched.			
AMUR RIVER PRIVET (Hardy Russian Privet). The hardiest of all. Holds its leaves until severely cold weather. Prepaid.....	\$2.25	\$3.50	\$11.00
CALIFORNIA PRIVET. Rich, dark green, lustrous leaves. Not quite so hardy as Amur River privet, but will come again if frozen back. Prepaid.....	1.75	3.00	7.75
SPIREA VANHOUTTEI. Makes one of the most beautiful and graceful of all hedges. Prepaid.....	4.00	7.50	26.00
SPIREA THUNBERGI. Makes an attractive hedge 4 to 6 feet tall. Its slender arching branches are completely covered with small white blossoms in early spring, and its narrow, light green foliage changes to shades of orange in the fall. Plant 2 feet apart.....	5.10	9.75	...

## PEONIES and BLEEDING HEARTS



OLD FASHIONED BLEEDING HEART. You will be delighted with the long, graceful sprays of pink heart-shaped flowers that bloom early in the spring.

Each, \$1.15; 3 for \$3.00; prepaid.

PEONIES. Always popular, always dependable. We offer three of the best varieties.

Edulis Superba. One of the best commercial Peonies; a dark pink, even color; large flat crown when fully open. Very fragrant, upright growth; early bloomer. 90c each.

Festiva Maxima. Snowy white with carmen tip. 90c each.

Felix Crousse. Brilliant red. \$1.15 each.

## CHOICE IRIS

	Each	3 for
BLUE TRIUMPH. Light soft blue with flaring falls.....	\$0.60	\$1.55
CALIFORNIA GOLD. Finest deep yellow, large flowers.....	.60	1.55
CHEERIO. Brilliant, rich glowing satin ruby-red, vivid orange beard.....	.60	1.55
EL CAPITAN. Manganese-violet coloring, medium blue effect.....	.60	1.55
CRYSTAL BEAUTY. Pure, clear snowy white....	.50	1.25
PINK SATIN. Large, lovely soft pink or lilac mauve.....	.50	1.25
JEAN CAYEUX. Superb coloring of light havanabrown, with a luster of golden tan.....	.60	1.55
WABASH. Clear ruffled white, falls of rich violet, distinct white border.....	.90	2.25
DWARF IRIS. Fine for rock garden, border, etc., Early bloomer, colors purple and yellow, 3 for 65c; 12 for \$2.00.		
KOREAN IRIS. Flowers large, richly colored. Blooms late. White, Royal Purple, Blue and Mahogany.....	.60	1.50
LANDSCAPE IRIS. A good assortment of colors for an outstanding landscape collection. 10 for 1.45; 25 for \$2.60.		



# ORNAMENTAL SHRUBS

2-Year, 1½ to 2 Feet

**ALTHEA** (Rose of Sharon). Fine free-flowering shrubs or small trees. Blossoms of red, pink, purple or white, borne in August and September. 75c each.

**BARBERRY, GREEN.** An ideal low shrub for foundation or border planting. Makes a low, dense rounded shrub about 3 feet tall and wide. Will grow in sun or shade and in the fall its foliage colors a beautiful bronzy red. Bright red berries hang on all winter. 60c each.

**CORALBERRY** (Chenault!)—One of the hardiest low growing shrubs with attractive foliage all summer and masses of rose-colored berries in the fall. Its graceful foliage and compact habit of growth make it an ideal shrub for hard-to-grow places. 75c each.

**DEUTZIA, PRIDE OF ROCHESTER.** Early blooming, flowers large, white tinged with rose. 75c each.

**DOGWOOD, RED TWIGGED.** Smooth, slender, bright red branches in winter make a very pleasing contrast with evergreens and snow. Small white blossoms in summer. 75c each.

**GOLDEN BELL** (Forsythia). A cascade of bright yellow flowers in early spring, followed by dark green foliage. 75c each.

**GOLDEN ELDER.** Bright yellow foliage, white flowers. 75c each.

**HONEYSUCKLE, TARTARIAN PINK.** A large-growing bush that will stand much abuse. Pink flowers in spring. May be sheared to form a dense hedge. 75c each.

**JAPANESE BARBERRY.** Low-growing, dense; glossy green foliage in summer turning to coppery red in the fall, followed by brilliant red berries. 60c each.

**JAPANESE QUINCE** (Fire-in-the-Bush). A brilliant mass of red in early spring with glossy green foliage throughout the summer. 75c each.

**MOCK ORANGE.** Pure white, fragrant flowers in early spring. 75c each.

**PRIVET, Fern Leaf** (Regel's). Low growing, dense shrub with horizontal branches; one of the best for shaded locations. 60c each.

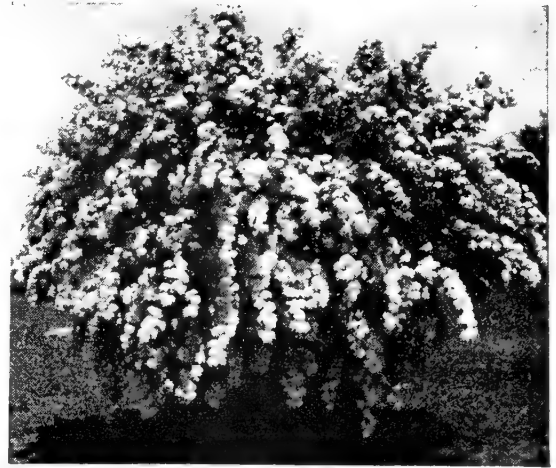
**SPIREA FROEBELI.** Pink Dwarf Spirea. Flowers of a pleasing pink shade. Somewhat taller habit of growth than Spirea Anthony Waterer. 75c each.

**SPIREA THUNBERGI.** White blossoms in earliest spring, foliage fine and feathery, making it an admirable foundation plant. 60c each.

**SPIREA VAN HOUTTE** (Bridal Wreath). Best known and most widely used of all shrubs. Long sprays of white flowers completely cover the shrub in spring. Will grow anywhere in shade or sun. 60c each.



Hydrangea, Pegee.



Spirea (Bridal Wreath)

## BETTER SHRUBS

ALL PRICES PREPAID

	Size	Each	Pair
<b>ALMOND, FLOWERING.</b> Double rose-like flowers. Early, pink or white.....	12-18 in.	\$1.00	\$1.90
<b>REDLEAF BARBERRY.</b> Bright red foliage all summer. Plant in full sunlight..	12-15 in.	.85	1.60
<b>BUTTERFLY BUSH, CHARMING.</b> New pink flowering .....		1.00	1.90
<b>BUTTERFLY BUSH, ILE DE FRANCE.</b> Long thick flower spikes of rosy purple..	No. 1	1.00	1.90
<b>CRAPE MYRTLE.</b> Very showy flowers of crinkled, crape-like appearance, pink, red or white .....		1.15	2.25
<b>DESMODIUM</b> (Bush Clover). Weeping rose pink flowers in fall.....	No. 1	1.15	2.25
<b>HYDRANGEA, HILLS OF SNOW.</b> Ball-shaped clusters of snowy-white flowers in July and August.....		1.25	2.40
<b>HYDRANGEA PEGEE.</b> Huge panicles of light pink flowers in August and September, changing to brown in fall.....	1-1½ ft.	1.25	2.40
<b>LILAC, CHINESE.</b> Grows 8 to 10 feet. Blooms second year, rosy purple.....		1.00	1.90
<b>SNOWBALL.</b> Large globular clusters of pure white produced in May and June. Grows 6 to 8 feet in height.....		1.05	2.00
<b>SPIREA ANTHONY WATERER.</b> Red Dwarf Spirea. Showy red flowers borne in umbrella-like bunches throughout the summer .....		.75	1.40
<b>TAMARISK, Africana.</b> Fine, graceful foliage with showy pink trumpet-shaped flowers in May. Grows 10 to 12 feet.....		1.00	1.85
<b>VITEX CHASTE TREE.</b> Attractive lavender-blue flowers from July until frost; semi-dwarf habit of growth.....		1.25	2.40
<b>WEIGELA ROSEA.</b> Showy pink trumpet-shaped flowers in May.....		.95	1.80
<b>BUSH CHERRY.</b> Perfectly hardy ornamental shrub with white blossoms followed by rich red fruit which is fine for making jam, jelly and pie. Plant two or more for pollination. Heavy, well branched, 2 yr., 2 for \$2.25			



**RED ARROW.** An effective, non-poisonous solution that is deadly to all insects. Will not burn, blight, or stain the most tender foliage. May be safely used on all fruits and vegetables. Dilute with 200 to 800 parts of water. Full instructions with every bottle. 1-oz. glass, 35c; 4-oz. glass, \$1.00; 1-pt. glass, \$2.75.

Any COMPLAINT with reference to any or all Nursery Stock must be made upon arrival.

# OUR SUPERIOR MIXED LAWN GRASS

## TO MAKE A LAWN

Remember when making a lawn that it is to last for years, and be an ornament to the home, so give plenty of time and care to preparation before the seeds are sown. Several weeks before sowing dig the soil deeply, break up the lumps, apply our Premier Horticultural Peat Moss and a lawn fertilizer such as VIGORO and rake the top soil; at intervals of ten days or two weeks rake the surface to destroy the weeds, and before sowing have the surface as fine as a rake will make it. Sow half the seeds, then sow the other half at right angles to the first sowing—this gives an even distribution. After sowing rake slightly so as not to cover the seeds too deep—covering with a roller is better—small seeds cannot germinate if planted too deep, an eighth of an inch is about right. Do not put stable manure on your lawn, as it adds to the many weeds already in the soil, and if not well broken up the lumps of manure will smother your grass.

Start the lawn as early as possible to give the grass a chance to become well established before the spring growth of weeds.

### Lawn Grass Mixture Required

For 300 sq. ft. (10x30 ft.).....1 lb.  
For 1000 sq. ft. (20x50 ft.).....3 lbs.  
For 5000 sq. ft. (50x100 ft.).....15 lbs.  
For 43560 sq. ft. (1 acre).....130 lbs.

Use about one-half as much for renovating old lawns.

**SUPERIOR MIXED LAWN GRASS.** Per lb., 85c; 10 lbs., 75c per lb.; not postpaid.

**KENTUCKY BLUEGRASS.** Per lb., 85c; 10 lbs., 75c per lb.; not postpaid.

**WHITE DUTCH CLOVER.** Per lb., 90c; 5 lbs., 85c per lb.; not postpaid.

**CREeping BENT GRASS.** Per lb., \$1.35, not postpaid.

**RYE GRASS.** Per lb., 20c; 5 lbs., 75c; not postpaid.

**SHADY LAWN GRASS.** Per lb., \$1.00; 5 lbs., \$4.50; not postpaid.

**BERMUDA GRASS.** Per lb., 65c, not postpaid.

# ROOTONE

Reg. U. S. Pat. Off.

The Plant Hormone Powder. For better rooting of cuttings, seeds and bulbs. ¼-oz. pkg., 25c; 2-oz. jar, \$1.00.

## FERTILIZERS

To produce large crops of the best quality vegetables, you must, above all, plant good seed to start with, and in addition to this use a sufficient amount of fertilizer to provide the proper amount of plant food necessary for healthy growth.

### ACTIVO—Improved Compost Developer

Enrich your garden soil, convert garden waste, old leaves, straw, vines, weeds, grass-clippings, shredded corn stalks, vegetable trimmings, etc., by using ACTIVO into rich organic manure or fertilizer. It will speed the decomposition of waste plant materials which contain natural bacteria than can be turned back into soil enrichment. No. 2 size, \$1.00; No. 7 size, \$2.00; f. o. b. our store.

**ALUMINUM SULPHATE.** The proper fertilizer for Rhododendrons or Azaleas. Creates the necessary acid condition of the soil.

**BONE MEAL.** A good all-around fertilizer, especially good around Roses and other flowers.

**AMONIUM NITRATE.**

**NITRATE OF SODA.**

**LIME (Hydrated).** For lawn and field use where the ground has become sour. 50 lbs., 65c; 100 lbs., \$1.25.



EndoWeed is a new and improved selective weed killer, carefully prepared to kill ugly lawn weeds without harming ordinary grass or affecting the soil! Kills dandelions, chickweed, plantain and over 50 other weeds, roots and all. 8 ounces treats 2,000 sq. ft. of lawn. Packet (for 200 sq. ft.), 25c each; ½-pint, \$1.00 each; Pint, \$1.65 each; Quart, \$2.75 each; Gallon Can, \$8.50 each.



## KILL Crab Grass

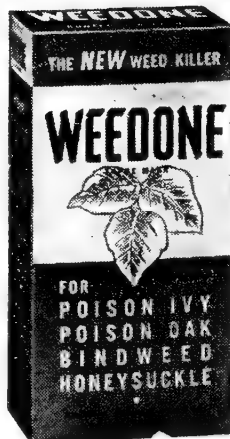
WITHOUT DESTROYING *Lawn Grass*

# ZOTOX



This amazing liquid chemical kills Crab Grass without permanent injury to lawn grasses. A 16 oz. bottle makes 10 gallons and treats 2000 sq. ft. ZOTOX also kills dandelion, plantain, chickweed, spurge and other lawn weeds. Full directions on bottle. Prices: 8 oz. \$1.00; 16 oz. \$1.50; 32 oz. \$2.50; 5 lbs. \$4.50.

Ask for free literature.



The new internal weed killer. Kills Poison Ivy, Poison Oak, Bindweed, Honeysuckle, Dandelion, other noxious weeds. Sprayed on leaves, it travels down and kills right out to the root tips. Sprayed on lawns, it kills dandelions and other weeds without hurting the grass. Non-corrosive, safe for humans and animals. Just mix with water and spray.

6-oz. bottle (covers 500 sq. ft.) \$ .75  
1-qt. can ( " 2,500 sq. ft.) 2.50  
1-gal. can ( " 10,000 sq. ft.) 7.50

Larger quantities on request.

## HORTICULTURAL PEAT MOSS

Use Horticultural Peat Moss for the physical improvement of soils, lawns, gardens, flower beds, shrubberies, chicken litter, etc. ½-lb. pkg., 10c each.

Bushel size, 50c; per bale (about 100 lbs.).....\$4.50

# VIGORO

Complete plant food

### PRICES

1-lb. pkg.....\$0.15      25-lb. bag.....\$1.60  
5-lb. pkg......50      100 lb. bag..... 4.25  
10-lb. pkg......90

VIGORO supplies just what is needed to produce a beautiful lawn, flowers, shrubbery and trees. Vigoro is clean, odorless, sanitary, economical, and easy to apply by hand or spreader. For best results, follow the simple direction folder inside each package.

Dimensions of Ground	Rate of Application per 100 Square Feet	Amt. Necessary for One Application
20x 50 ft.	2 lbs. (equal 1 qt.)	25 lbs.
20x 50 ft.	4 lbs. (equal 2 qt.)	50 lbs.
50x100 ft.	2 lbs. (equal 1 qt.)	100 lbs.
50x100 ft.	4 lbs. (equal 2 qt.)	200 lbs.

Full directions for applying VIGORO are contained in the Home Beautiful booklet, a copy of which is enclosed in every bag of VIGORO. This booklet also gives valuable information on making a lawn, growing shrubbery, flowers, vegetables and trees.



All Flower Seed Prices Are Postpaid.  
PRICES: All Packets are 5c Each,  
Postpaid, except as noted.



# All Summer FLOWER SEEDS

## Loads of Beautiful Flowers

Flowers are something everyone should be interested in. They do so much to make the home beautiful and lovely. The flowers outside a home largely reveal the character within.

From just a few packets of seed you will be able to cut flowers by the basket-fuls all summer and by doing so they just bloom all the harder.

Our seeds germinate quickly. All are tested and sent to you in big full-measure packets with instructions for planting on the back of each packet.

This year we are offering plants, too, of many of our finer varieties. All are grown from the finest selected seed stocks, transplanted and "topped," which means healthy, vigorous tops, as well as sturdy roots. Postpaid and satisfaction guaranteed. Send your order for plants right along with your seed order and we will mail the plants at the proper planting time.



See page 9.

## AFRICAN DAISY

(Dimorphoteca.) Grows 15 inches high. Blooms are 2½ inches across, ranging in color from white to salmon and orange with dark centers.



Daisy

## AGERATUM

Five inches tall. One of the best bedding plants. Splendid for borders or edging. Blooms the entire season. Rapid grower. Pkt., 10c.

Blue and White Mixed.

## SWEET ALYSSUM

Pretty little plants for beds or vases, blooming all summer long. Very sweetly scented.

Dwarf Yellow. Lilac Queen.  
Carpet of Snow. Mixed.

## AMARANTHUS

(Tri-Color Splendens — Joseph's Coat). Very useful in borders of tall plants, among shrubs, or for centers of large beds. Grows 2½ feet tall. Inner foliage is of blackest bronze tipped with green. Outer foliage scarlet and gold.



Giant Branching Aster

## ASTERS

Early sorts begin blooming in July, followed by the midseason sorts, which are at their best in August. Then come the late blooming kinds which bloom through September and October.

**CREGO ASTERS.** This variety produces the largest flowers of the comet type. Very full and fluffy, 4 to 5 inches in diameter. When cut they outlast all other types.

Crimson, White, Shell Pink, Lavender, Purple, 10c pkt. Mixed, 5c pkt.

**EARLY BEAUTY ASTERS.** Attain a height of around two feet. Are of a branching habit. Flowers large, resembling Chrysanthemums, borne on long stout stems. Bloom at same time with Crego varieties.

Black Prince, Lavender, Crimson, White, Pink, 10c pkt.; Mixed, 5c pkt.

**WILT RESISTANT ASTERS.** Many of our friends have had trouble with wilt at some time or another. These varieties are able to grow and bloom beautifully on infested ground. Some of the largest and finest flowers in America in these new strains.

Pink, Crimson, White, Lavender, Purple, 10c pkt.; Mixed, 5c pkt.

For Lawns, use  
**VIGORO**

**SUNSHINE MIXED ASTERS.** The best mixed assortment for home use. All shades and colors with golden centers.

**BRILLIANT QUILLED ASTERS.** Mixed colors.

**MAMMOTH AMERICAN BRANCHING ASTERS.** Large. Late blooming. Mixed colors. Best in September.

**PEONY ASTERS.** Mixed colors. Large double blooms resembling peonies.

**LILLIPUT MIXED.** Small flowered, intensely doubled of ideal habit. Seed pkt., 10c.

Flowers—Vivid in Color, Healthy, Strong Stems. Flowers lacking in color . . . blooms sparse and poorly formed . . . stems spindly . . . foliage scant and faded. These are sure signs of starvation. Your flowers need a square meal—a complete plant food—Vigoro. It supplies each of the essential elements required for healthy plants and abundant, colorful flowers.

## BLUE LACE FLOWER

**DIDISCUS COERULEUS, ANNUAL.** Grows upright about 2 feet high, branches freely, each end bearing a cluster of light blue flowers spreading umbrella-like. Each blossom is carried on a thin, long tube lending the flower head a delicate and dainty touch. Lasts unusually long in water.

## BABY'S BREATH

This annual variety has larger flowers than the perennial and is a soft pink in color.

## BALSAM

The old-fashioned Camelia-flowered "Touch-Me-Not" or "Lady's Slipper." Produces a great profusion of brilliantly colored blooms.



Balsam

## BUTTERFLY FLOWER (Schizanthus)

The fern-like foliage is very attractive even before the flowers come on. The blooms are all colors, shaped like many delicate butterflies.

## BURNING BUSH (Kochia)

Makes a beautiful hedge or background. Grows very compact, turning from light green to blood red in early autumn.

## BLOOMLIFE

Cut Flower Food

Has been developed especially to give extra life, color, and fragrance to all hard stem blooms such as Roses, Carnations, Larkspurs, Zinnias, Snapdragons, Gypsophilas, Peonies, Bouvardia, Humboldtii, Chrysanthemums, Pompons, Lilies, etc. No after change of water or no recutting of stems. Results are remarkable. Price per packet, enough for 2 quarts of water, 10c each.

All Flower Seed Prices Are Postpaid. **PRICES:** All Packets are 5c Each, Postpaid, except as noted.

## COSMOS



Cosmos

### For Summer and Fall Flowers

While early varieties begin flowering in July, Cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage.

**EARLY KLONDYKE ORANGE FLARE.** The Grand Champion Gold Medal Winner. The unanimous choice of all judges in the All-American Competition for 1935. Bright vivid orange, very free flowering, with a sparse growth of light green foliage, the plants are in full flower less than four months from the time of planting, and are a mass of color all season. The sensation of the year.

**EARLY DOUBLE CRESTED.** Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

## CHRYSANTHEMUMS

Sown in April they begin flowering in July. Pinch back to encourage branching. They make delightful border plants and beautiful bouquets throughout the summer. Golden Feather, Mixed; The Sultan, rich red; Evening Star, yellow.

## CANNAS, Large Flowering

You all know how easily they can be grown from the roots; well they can be just as easily grown from seed. Soak seed 24 hours in warm water. Sown in February should bloom all colors in July.

## CANTERBURY BELLS

A biennial which seeds itself. Easily grown and fine for rock garden or in the border. Mixed colors.

**NEW ANNUAL CANTERBURY BELL.** Brings spring to the garden in the fall. We recommend this new annual to all our flower lovers. An annual that can be brought into bloom any time after July. Blooms are the shape of delicate bells in rich shades of dark blue, light blue, pink, rose and white.

## CARNATIONS

Always in demand and can be easily grown in your own garden. They are just like regular greenhouse blooms except that they are a trifle smaller. Mixed.

## CALIFORNIA POPPY

**ESCHSCHOLTZIA AURANTIACA.** This is the true California Poppy. Its brilliant coloring and silk-like texture make it an outstanding plant. It blooms from early summer until freezing weather. Mixed colors.

**THE GEISHA.** A brilliant rose and orange coloring that makes a blaze of color in your garden all summer long.

## CALLIOPSIS

Mixed colors. Sow early and thin to 12 inches apart. Easily grown. Beautiful for either garden or cut flower decoration.

### FREE PREMIUM

With Garden or Flower Seed Order of \$1.00 or over.

## CANDYTUFT

They soon flower from seed and remain long in bloom. When massed in flower beds and edgings they are unsurpassed. Make splendid cut bouquets. Empress (pure white), Crimson, Lavender, Fine Mixed.

## CASTOR BEANS (Ricinus)

Well adapted for backgrounds along the side or back garden fence. Moles won't bother a garden hedged with Castor Beans.

## CENTAUREA

This is a very hardy annual, flowering all summer. Very easily grown. A fine border plant and very showy. Bachelor's Button or Corn Flower. Also Dusty Miller.

## MAMMOTH SWEET SULTAN

Another type Centaurea with large flowers shaped like the globe thistle. Brilliant Rose, Blue, Golden Glow, Purple, Mixed.

## CHINESE FORGET-ME-NOT

Very fine for cutting. Grow 18 to 24 inches tall and are covered with vivid Forget-Me-Not blooms. Blue, Pink.

## CHINESE WOOLFLOWER

(Celosia Childs.) A variety of Cockscomb. Fine for winter bouquets. Mixed shades.

## CALENDULA (Pot Marigold)

**RADIO CALENDULA.** A large double bloom of a deep shade of golden yellow with attractively quilled petals. Orange King, Lemon King.

## QUALITY CALENDULAS

Sunshine Chrysanthemum Flowered

An entirely new species that is especially fine. Grows 2 to 2½ feet tall and bears large, bright, golden canary-yellow flowers.

**ORANGE SHAGGY (New).** Closely set, irregularly placed long narrow petals, beautifully fringed or laciniated, giving the flower the frilled or shaggy appearance of some Chrysanthemums. 10c pkt.

**SENSATION (Campfire).** Brilliant orange with crimson sheen. 10c pkt.

**BALL'S SUPREME.** Light orange with brown center. 10c pkt.

**RADIO.** Rich orange blooms with quilled petals.

**GOLDEN BALL (Ball's Gold).** Deep golden-yellow. 10c pkt.

**MIXED.** 5c pkt.

## DIANTHUS

A lovely class of annual flowers for beds, borders and cutting. Of easy culture. Blooms from July until frost.

**TOM THUMB.** A dwarf plant with bright red flowers.

**GRASS PINKS.** The delicately fringed flowers are fragrant and fine for bouquets.

**SPECIAL MIXTURE.** A splendid mixture of double pinks.

## COBAEA

**COBAEA (Cup and Saucer Vine).** A rapid climber; fine for trellises, arbors, etc.; clings to any rough surface. Place seeds in the ground edgewise and cover with light soil. Purple, Pure White.

## COLEUS

**COLEUS (Flame Nettle).** An attractive foliage plant for house or garden. Very interesting to grow from seed, easily raised. Sow in March or April. Pkt., 25c.

## CYPRESS VINE

(Ipomoea Quamoclit)

Half Hardy Annual Climber, 15 Feet

A beautiful vine of very rapid growth, with delicately cut fern-like foliage and producing in abundance dainty star-shaped scarlet and white flowers. Sow when the weather is warm, or seed may be started indoors. Soak overnight in warm water previous to sowing.

ALL PRICES quoted in this catalog subject to change without notice. Add postage to all items not quoted as postpaid.

## DAHLIAS

Can be easily raised from seed and will bloom the first year. One of the best late summer flowering plants.

## DAISIES

**SHASTA.** Flowers very large and graceful, pure white, single. Grow on long, stiff, wiry stems.

## DIGITALIS

**THE SHIRLEY.** Stately spikes growing up to 7 feet tall, closely set with large bells, in many bright colors. Some dotted with crimson or chocolate.

## DELPHINIUM

Delphinium are hardy, vigorous and free blooming. Soak the seed over night, and lime the soil where they are to be planted.

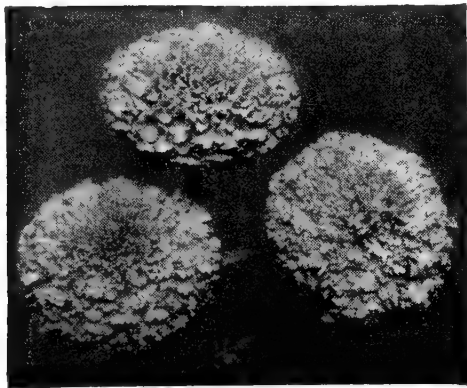
Delphinium, Belladonna.  
Delphinium, Bellamosum.  
Delphinium, Giant Hybrids, Mixed.  
Forget-Me-Not (Myosotis).  
Four-o'Clock, Mixed.  
Gaillardia, Single Mixed.  
Gaillardia, Double Mixed.  
Gaillardia, Perennial Mixed.  
Godetia.  
Gomphrena (Globe Amaranth).  
Gourds, Mixed.  
Helianthus or Sunflower.  
Helichrysum, Mixed Colors.

**PERFECTION DOG FOOD**  
Feeds the Champion



All Flower Seed Prices Are Postpaid. PRICES: All Packets are 5c Each, Postpaid, except as noted.

## MARIGOLDS



Marigold

They light the garden with a glitter of yellow and gold from July far into the frosts of autumn.

**DOUBLE TALL AFRICAN VARIETIES.** Lemon Ball. Mixed shades of yellow and orange. Orange Ball.

**DWARF FRENCH DOUBLE.** Mahogany, Lemon Queen, Double Dwarf Mixed (Pride of the Garden).

**DWARF SINGLE FRENCH.** Legion of Honor. Golden yellow marked with a large spot of velvety crimson at the base of each petal. Golden Star, Marigold Mixed.

**CARNATION FLOWERED MARIGOLD.** Guinea Gold. A brilliant orange, very double and ruffled with loose lace petals. This is a new and distinct type.

Heliotrope.

Hibiscus.

Hollyhoek, Double Mixed.

Ice Plant.

Japanese Hop Vine.

Job's Tears.

Kochia (Mexican Fire Bush).

Kudzu Vine (Jack-and-the-Bean-Stalk).

Lantana.

Larkspur, Tall Double Mixed.

Lathyrus Latifolius (Perennial or Everlasting Pea). 10c pkt.; 25c per oz.

Lobelia.

Love in a Mist, or Nigella.

## LUPINE

**MAYFAIR HYBRID.** Easily grown on poor soil but insists on good drainage. Carries long graceful spikes of rich and various colored flowers.

Mignonette, Sweet Scented.

Momordica, Balsam Apple.

Morning Glory, Japanese Mixed.

Moonflower.

Nasturtiums—

Dwarf Mixed. 10c pkt.

Tall Mixed. 10c pkt.

Pansy—

Giant Trimardeau, Mixed. 25c pkt.,

Trimardeau, Separate Colors. 25c pkt.

Pansy Plants—Mixed colors of the choicest varieties, 50c doz., postpaid.

Phlox—

Drummond Grandiflora. 10c pkt.

Star Quedlinburg. 10c pkt.

Poppy—

Mixed single.

Mixed Double.

Shirley Mixed.

Oriental.

**PORTELACA (Moss Rose).** Brilliant garden annuals, 6 inches high, luxuriating in warm, dry, sunny situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable: colors range through innumerable shades of red, yellow, pink, striped, white, etc.

**DOUBLE, FINE MIXED.** 10c pkt.

**SINGLE, FINE MIXED.** 10c pkt.

## PHYSOTEGIA VIRGINICA

**FALSE DRAGON HEAD.** We are furnishing the Physotegia Vivid Dwarf Pink which grows about 18 inches tall with extra large heads of very showy pink flowers. It is far superior to the old-fashioned tall-growing variety, in sturdiness, color and shape. This Physotegia is one of the finest and most freely flowering of all hardy garden flowers. Very fine for cut flowers.

**SALVIA SPLENDENS.** Loose sprays of rich violet blooms. Tall growing; 2½ to 3 ft. We offer an improved and select stock. Mostly used in large beds. Pkt., 25c. Scabiosa, Grandiflora Mixed. Snapdragon, Tall Mixed. Stocks, Large Flowering Ten Weeks, Mixed.

## SUPREME SWEET PEAS

Soil should be thoroughly mixed with a good fertilizer. We like Vigoro for this purpose. When the plants are well up, see that they have wire, strings or a trellis to support them.

## PETUNIAS

**FLUFFY RUFFLES, MIXED.** Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and embracing a splendid variety of colors in many beautiful combinations. Pkt., 25c; 2 pkts., 45c.

**ELK'S PRIDE.** A splendid velvety purple, large flowering variety. Pkt., 20c; 3 pkts., 50c.

**ROSE OF HEAVEN.** (Improved Rosy Morn). Dwarf, bushy plants, bearing in great profusion brilliant rose colored flowers with a white throat; excellent for pot culture. Pkt., 20c; 3 pkts., 50c; ½ oz., 75c.

**BLOTCHED AND STRIPED SINGLE MIXED.** Pkt., 10c; ¼ oz., 25c.

**FINE MIXED SINGLE BEDDING.** A splendid bedding mixture of good bloomers. Pkt., 10c; ¼ oz., 25c.

## SPENCER SWEET PEAS

10c Pkt.; 25c Oz.

Royal Purple.

Mrs. Tom Jones—Deep azure blue.

Illuminator—Bright glowing salmon tinged with orange.

Crimson King.

Warrior—The best of pure bred maroon.

Miss California—A rich salmon pink.

Austin Frederick—Color a true lavender.

King White.

Beetail—Pale cerise.

Beauty—Blush pink.

Commander Godsall—Large navy blue.

Elegance—Blush lilac.

Good Cheer—Deep Begonia rose.

Orange Picture—Sunproof orange.

Pinkie—Large rose pink.

Powerscout—Large lavender.

Superfine—Cream suffused salmon.

Finest Mixed. 10c pkt.; 20c oz.

Thunbergia, or Black-Eyed Susan.

Tritoma (Torch Lily, Flame Flower, Red Hot Poker).

Vinea, Mixed.



For  
LAWNS  
FLOWERS  
SHRUBS  
TREES  
VEGETABLES

## VERBENA

**NEW MAMMOTH.** Individual flowers are larger than a silver quarter. Unsurpassed for profusion of bloom. Fancy mixed. Pkt., 10c.

**BEAUTY OF OXFORD.** A free flowering, very hardy annual. Excellent for bedding and edgings. Of creeping habit with dark green foliage. Many clusters of large star-shaped flowers, with round lobed petals. Bloom from June until frost. Pkt., 25c.

## ZINNIA

Deserves a prominent place in every garden. Plant forms handsome bushes, which produce hundreds of large double flowers all summer and fall. Zinnias should be transplanted when they are 4 or 5 inches high, planting 6 or 8 inches apart in the row. Keep well watered if you want large flowers.



California Giant Zinnia

**FANTASY CHRYSANTHEMUM FLOWERED.** The well rounded, medium sized flowers which are borne on long slender stems well above the foliage are composed of a mass of shaggy, twisted tubular petals which give the blooms a rather charming appearance. The color range includes red and orange, as well as many fine pastel shades of pink and cream. Pkt., 15c.

**TALL DOUBLE.** All colors mixed.

**NEW CALIFORNIA GIANT FLOWERING.** A well balanced mixture of all colors make a gorgeous showing. Pkt., 10c.

**GIANT FLOWERING WHITE.**

**GIANT FLOWERING CRIMSON.**

**GIANT FLOWERING BLACK KNIGHT.**

**GIANT FLOWERING VIOLET.**

**GIANT FLOWERING YELLOW.**

**ZINNIA COLLECTION.** 1 pkt. of each of the above five colors, 65c; single pkt., 15c each.

**DOUBLE LILIPUT.** A fine mixture of dwarf double zinnias. Pkt., 10c.

## GIANT DAHLIA-FLOWERED DOUBLE ZINNIAS

Come in a rich assortment of colors. This year even though it was hot and dry, everyone having zinnias picked a lot of beautiful bouquets. This strain we feature is the best we have ever seen. **GOLDEN WEST.** A fine shade of golden yellow.

**PURPLE PRINCE.** Rich shade of royal purple.

**DAYBREAK.** Bright orange scarlet.

**GLORIA.** Delicate reddish rose.

**ENCHANTRESS.** Rich shade of red.

**SENSATION.** Orange scarlet.

**DAHLIA FLOWERED ASSORTMENT.** Six kinds. One each of the above six Giant Dahlia-Flowered Double Varieties, 50c; single pkt., 10c each.

**MIXED COLOR.** Finest mixed Dahlia-Flowered Double Zinnias. This is a mixture of red, yellow, orange, purple and rose.



Dahlia

# Summer Flowering Bulbs

For Flowers, use  
**VIGORO**



Caladium Esculentum—Elephants Ear

## DECORATIVE DAHLIAS

**Please Bear in Mind—We offer only high test Exhibition Variety Tubers, such as have been duly tested and grown by us, and are true to name and color.**

**JANE COWL** (Dec.). Bronzy buff and old gold, darker towards center. Each, 40c; dozen, \$3.50.

**MARG. WOODROW WILSON, D.** Monster cream, reverse phlox-pink. Each, 40c; dozen, \$3.50.

**BASHFUL GIANT.** A gigantic bloom. Apricot with golden shadings. Each, 40c; dozen, \$3.50.

**MRS. I. DE VER WARNER** (Marean). A blossom of soft orchid coloring. Each, 40c; dozen, \$3.50.

**PRIDE OF CALIFORNIA.** Color crimson red with dark full center. Each, 40c; dozen, \$3.50.

**KATHLEEN NORRIS** (F. D.). Greatest pink decorative Dahlia in commerce today; true rose pink, later deepening to mellow pink, but paler in young central petals. Broad overlapping petals with twisted ends, filled to center. Great bloomer and excellent keeper. Each, 40c; dozen, \$3.50.

**JERSEY'S BEAUTY** (Decorative). A true, pure pink. Each, 40c; dozen, \$3.50.

**JEAN KERR** (Decorative). Pure white of fine form; a profuse bloomer on stiff stems; the best commercial white. Each, 40c; dozen, \$3.50.

All Dahlias in single and dozen lots prepaid; in larger quantities at purchaser's expense.

## GLADIOLI

**BETTY NUTHALL.** One of the finest of the newer varieties; large light salmon with pale yellow throat and light feathering of carmine.

**MR. W. H. PHIPPS.** "La France" pink overlaid with light rose-salmon, lighter towards center with speckled ruby throat markings.

**GOLDEN DREAM.** Pure yellow. A leader in the class of yellow Gladioli. A beautiful variety.

**CHICAGO WHITE.** A fine white variety with lavender stripes on lower petals.

**VIRGINIA.** One of the most popular commercial reds. Its earliness and fine forcing qualities as well as the lasting brilliancy of the flowers have created for it a well deserved popularity.

**GIANT NYMPH.** "La France" pink, creamy yellow throat. Large flowers well placed.

**PICARDY.** Undoubtedly the finest of recent introductions. Extremely long stems, with many enormous size flowers open at one time. The color is soft pink, shading to deeper pink on the lower petals. Distinct markings in throat.

**HALLEY.** A most attractive early blooming sort with large, well-opened flowers of delicate salmon-pink.

**MINUET.** A beautiful giant lavender Gladiolus having 4 or 5 blooms. Considered the last word in Lavender Gladioli.

**RAINBOW MIXTURE** Gladiolus (Gladioli) Bulbs (1 doz.)

All Gladioli in single and dozen lots prepaid; in larger quantities at purchaser's expense.

## SPECIAL

**Gladioli Bulb Stocks  
Limited.**

**8c each; 85c doz.**

## TUBEROSES

**EXCELSIOR DWARF PEARL.** Rich, waxy white, very double and remarkably fragrant. 2 for 15c; 75c dozen; postpaid.

**TALL DOUBLE.** Flower spikes  $3\frac{1}{2}$  to 5 feet high. First size bulbs, 2 for 15c; 75c dozen; postpaid.

## CALADIUM ESCULENTUM ELEPHANTS EAR

**FIRST SIZE BULBS.**  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches in diameter. Each, 15c, postpaid.

**SELECT SIZE BULBS.**  $2\frac{1}{2}$  to 3 inches in diameter. Each, 25c, postpaid.

**MONSTER SIZE BULBS.** 40c each, postpaid.

**LILY OF THE VALLEY.** 85c clump,

**MADEIRA VINE.** Tubers, 35c dozen, postpaid.

## CANNAS

Ready March 1 to June 1.

**KING HUMBERT.** The Royal Red Canna. Height 5 feet. 15c each; 3 for 40c; postpaid.

**THE PRESIDENT.** 4 feet; in color a rich glowing scarlet. 15c each; 3 for 40c; postpaid.

**YELLOW HUMBERT.** Fine yellow, spotted with red. Height 4 feet. 15c each; 3 for 40c; postpaid.

**EUREKA WHITE.** Each, 20c; 3 for 50c.

**CITY OF PORTLAND.** 4 feet; soft pink. 15c each; 3 for 40c.

Postpaid.

**ALL BULBS POSTPAID  
in single and dozen lots only**

## BEDDING PLANTS

Can Be Shipped by Express or Bus.  
Not Prepaid.

Plants out of  $2\frac{1}{4}$ -inch pots or flats. 15c each or \$1.50 per dozen.

Plants out of 4-inch pots. 50c each or \$5.00 per dozen.

**ALYSSUM.** White, for porch boxes.

**COLEUS.** All bedding varieties.

**CHRYSANTHEMUMS.** In all colors. 25c each.

**FUCHSIA.** Assorted. 25c and 50c each.

**FEVERFEW.** Thrifty, strong plants.

**GERANIUMS.** Out of 4-inch pots only. Double or single. All colors; 75c each; \$7.50 per dozen.

**PANSIES.** Large, imported varieties, in bloom. 50c dozen.

**PARLOR IVY.** Excellent plants. 25c each.

**PETUNIAS.** Single, assorted colors. 50c dozen.

**PETUNIAS.** Double, assorted colors. 25c and 35c each.

**PHILODENDRONS.** 50c each.

**SALVIA or SCARLET SAGE.** Large flowering. 50c dozen.

**CANNAS.** Growing plants, assorted. 50c each; \$5.00 dozen.

**CHINESE GIANT ASTER.** Per dozen plants, 50c.

**GROWING FERNS.** For porch boxes and hanging baskets;  $2\frac{1}{2}$ -inch pot size. 15c each.

## TULIPS and HYACINTHS

For Fall planting. Ready about Sept. 15th. We offer Holland grown bulbs from the most reliable growers and breeders. Choice varieties.

**VIGORO—FOR LAWNS, FLOWERS, SHRUBS, TREES**

# Hardy Garden Lilies

## Beautiful and Permanent

Lilies are becoming increasingly popular and may be grown successfully by any gardener. They bring charm to the garden quite different from that of any other flower. You may have cool whites, rich yellows and dazzling scarlets. Lilies may be had in bloom from early summer until fall by proper selection.

Plant Lilies informally in clumps or large masses. Place the bulbs 4 to 8 inches deep (depending upon variety and size of bulbs), with a handful of sand around each one. If the soil is well enriched, so much the better for the size and beauty of the flower. A well drained deep soil gives the best results. Bone meal is the best fertilizer.

Some Lilies produce large bulbs, such as Auratum and Rubrum, whereas many others will never make such a large bulb, as for example the Pardalinum and Tenuifolium.

## The New Wonder Lily—Everblooming

**PHILIPPINENSE FORMOSANUM.** A very graceful hardy Lily with long, well-mouthed, trumpet-like flowers; pure white with a beautiful pale emerald-green throat. Very fragrant. They commence blooming in early August and continue to flower until frost. Plant 4 inches deep in well drained, sandy soil. 3 to 4 feet high. 50c each.

## The Best Varieties

**TIGRINUM SPLENDENS.** Improved single Tiger Lily. Very hardy native lily; orange-red, spotted purple-black. 50c each.

**TIGRINUM FLORE PLENO.** Double Tiger Lily. The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. 50c each.

**UMBELLATUM.** Colors range from deepest red through all shades of crimson, rose, yellow, buff, and apricot; blooms about June 30th. 50c each.

**PARDALINUM.** Leopard Lily. Rich scarlet and yellow spotted with rich brown. 50c each.

**CANADENSE.** Meadow Lily. Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows; fine bulbs. 50c each.



Tiger Lily

Flowers—Vivid in Color, Healthy, Strong Stems. Flowers lacking in color . . . blooms sparse and poorly formed . . . stems spindly . . . foliage scant and faded. These are sure signs of starvation. Your flowers need a square meal—a complete plant food—Vigoro. It supplies each of the essential elements required for healthy plants and abundant, colorful flowers.



New Wonder Lily

**TENUIFOLIUM.** The lovely Coral Lily of Siberia. It is the brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. They are so fine for cutting. 50c each.

**THE REGAL LILY.** This fine variety from Western China is admittedly one of the most beautiful Garden Lilies yet introduced. It grows 3 to 5 feet high, and blooms out-of-doors in July, continuing its glorious display well into August. It is perfectly hardy, and flourishes under very varied conditions. 50c each; \$4.50 per dozen.



Regal

**SUPERBUM.** Flowers bright orange-red thickly spotted with purple. 50c each.

## AMARYLLIS

**GIANT HYBRID.** Strong bulbs throwing vigorous stems with from three to six blooms of perfect form, ranging in color from varied markings of rose to self colors of scarlet, crimson and almost maroon. Mixed colors only. 60c each.

**ISMENE WHITE AMARYLLIS.** Flowers often 10 inches in diameter, pure white, without markings of any kind, frequently six flowers on a single stem. 50c each.

**JOHNSONII.** Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. 50c each.

**EQUESTRE.** Orange Scarlet. 50c each.

All Hardy Lilies in single and dozen lots are postpaid; in larger quantities at purchaser's expense.



...NEW...

**VIGORO**  
COMPLETE PLANT FOOD  
**TABLETS**

For potted plants and flower boxes. Package of 24.....**10c**

# HYBRID CORN

SUPERIOR—DEPENDABLE—ECONOMICAL

A HYBRID CORN ADAPTED FOR THIS AREA

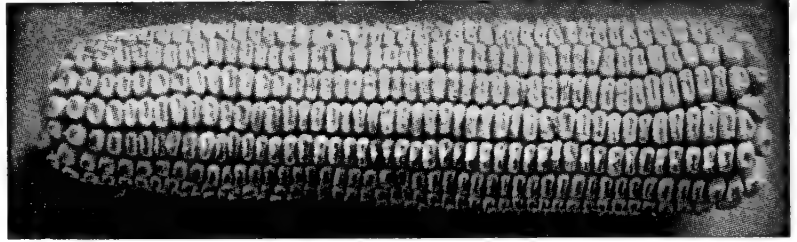
**STAR BRAND 808 HYBRID CORN.** The ears of this corn are longer and larger than Missouri No. 8 and it has a wide adaptability for a variety of soils. It shells well, is resistant to chinch bugs and grasshoppers and matures in 118 to 120 days. It is recommended for all of South Missouri, average height of plants is 10 feet with an ear height of approximately 4 feet. Has a strong stalk strength and is adapted for soils of average fertility. Highly drought resistant.

**MISSOURI No. 8 HYBRID CORN.** Has a larger and deeper root system which aids in obtaining moisture and to resist drought. Its vigorous growth makes it more resistant to insect damage and diseases. It is less likely to be damaged by wind on account of the strong root system. Matures in about 110 days and grain is less hard and flinty than some hybrids.

**STAR BRAND 606 HYBRID CORN.** 110 to 115 day maturity. Plant height about 9½ feet with ear height about 4 feet. Deep grained, very strong stalk strength. Adapted to bottom land and soils of high fertility. Very highly resistant and high yielder.

**U. S. 13.** Known to most farmers in this section. Produces strong stalks with a rapid growth, developing in about 120 days. Stands drought well and is chinch bug resistant. Has a large single ear with a short shank. Kernels deep, large round and softer than some Hybrids.

**RED JUNE.** Often matures in 65 days. Produces a medium stalk, with two good-sized ears. Is well suited for both lowland and upland. You will certainly be amazed at the large yield from this corn. This special lot of Red June is well adapted for this section as it has been grown here for the past three seasons. Plant a peck of this corn for your early use.



**REID'S YELLOW DENT.** Thoroughbred, pedigreed, carefully selected stock. It is of handsome shape and color and largely grown for exhibiting at fairs, and is used by many corn schools as a standard for judging, and is too well known to require lengthy description. Matures in about 115 days.

**ST. CHARLES WHITE.** The famous Ensilage Corn of the South. We have improved this type and have perfect success with it in this climate. Matures in 110 to 115 days. Pure white corn, red cob, medium small; grain extra deep, ear transparent white.

**GATE POST.** This is now one of the most prominent late varieties of Yellow Dent Corn in the country. It matures in about 115 days.

**HICKORY KING.** This is an entirely distinct variety among the white corn, the largest grain, the smallest cob. It is a great yielder, makes most excellent hominy.

**NEAL'S PAYMASTER.** 100-day corn. Is well suited for both lowland and upland. Produces a medium stalk with two good ears, broad white grains on a red cob, fills out well.

**BOONE COUNTY WHITE, IMPROVED LEAMING, IOWA SILVER MINE, IOWA GOLD MINE, SWEET CORN FOR FODDER.**

**MEXICAN JUNE CORN.** One of the standard silo corns; good big stalks and ear.

## SODIUM CHLORATE

Kills Weeds for Keeps

Used for permanent killing of Bindweed and other undesirable vegetation. Spray on foliage and it kills to the root tips. Weeds rob the farmers of millions of dollars yearly. Keep your land WEED-FREE, use Sodium Chlorate. 20c per lb., \$16.00 per 100 lbs., f. o. b. our store.

# FARM and FIELD SEEDS

**ALFALFA.** 60 pounds a bushel, sow 20 pounds per acre. Is a perennial legume and will produce more choice feed per acre than any other crop.

**GRIMM ALFALFA.** 60 pounds a bushel, sow 20 to 25 pounds per acre, differing in type, having the lateral or branching root system in place of the usual main tap root of most alfalfas.

**ALYCE CLOVER.** Produces twice as much hay and pasture as Lespedeza and is finer quality and higher feeding value. It is an annual legume and reseeds itself; is very drought resistant and will improve poor soils. Sow 15 or 20 lbs. per acre alone or may be used in permanent pasture mixtures.

**MEDIUM RED CLOVER.** 60 pounds a bushel, sow 8 to 12 pounds per acre. One of the most valuable legumes of the clover family. Cut for hay or plow under for soil fertility.

**MAMMOTH or SAPLING CLOVER.** 60 pounds a bushel, sow 8 to 12 pounds per acre. Resembles the Medium Red but grows coarser and more vigorous.

**ALSIKE CLOVER.** 60 pounds a bushel, sow 4 to 8 pounds per acre. Grows in wet bottom land also on upland loamy soils, makes wonderful hay and pasture, sown with other grasses.

**WHITE DUTCH CLOVER.** 60 pounds a bushel, sow 4 to 8 pounds per acre. Very hardy, used extensively for permanent pasture and lawns.

**SWEET CLOVER.** 60 pounds a bushel, sow 20 pounds per acre. Resembles Alfalfa both as to appearance and habit of growth when young. Good land builder, does best on soils containing lime.

**HOP CLOVER (YELLOW).** Is probably the earliest clover and is recommended in pasture mixtures, combining well with other crops. Height of plant about 6 to 8 inches. Use 2 to 3 pounds per acre in pasture mixtures.

**HUBAM CLOVER.** 60 pounds a bushel, sow 20 to 25 pounds per acre broadcast. Annual Sweet Clover instead of perennial.

**LADINO CLOVER.** Known as the Giant White Clover, is primarily a pasture plant, but may be used for hay. Seed 5 to 6 lbs. per acre alone or 2 to 3 lbs. in combination with other grasses. Used extensively by better farmers.

**TIMOTHY.** 45 pounds a bushel, sow 7 to 12 pounds per acre. It is the best known and most extensively grown tame grass in the country.

**TIMOTHY and ALSIKE.** 45 pounds a bushel, sow 15 to 20 pounds per acre. Adapted for the same kind of soils, matures at the same time, producing a good crop of hay or pasture.

**TIMOTHY and CLOVER.** 45 pounds a bushel, sow 10 to 12 pounds per acre. A very practical mixture for hay.

**KENTUCKY BLUE GRASS.** 14 pounds a bushel, sow 20 to 30 pounds per acre. The foundation of hardy lawns and a natural pasture grass.

**RED TOP.** 14 pounds a bushel, sow 6 to 12 pounds per acre. A hay and pasture grass, succeeds on most kinds of soils, especially wet natured land.

**ORCHARD GRASS.** 14 pounds a bushel, sow 14 pounds per acre. Hay and pasture grass furnishes good pasture both very early spring and late fall. Coarse growing bunch grass.

## YEAR-ROUND PASTURE

Farmers are realizing more and more the value of providing pasture for live stock on account of increased prices and the shortage of feeds.

The following crops are recommended for use in a year-round pasture program by the Missouri Agricultural Experiment Station:

1. Blue Grass pasture in late spring, early summer and winter.
2. Lespedeza pasture in midsummer and late summer.
3. Winter Barley or other grain pasture through the whole fall and early spring.

Also recommended are Sweet Clover and Sudan Grass for summer and Crimson Clover and Vetch for fall.

Write the College of Agriculture, Agricultural Experiment Station, Columbia, Missouri, for Circular 193 for "An All-Year Pasture System for Missouri."

Ask your local "Star Brand" dealer for prices.





## Star Brand IN SEALED BAGS, PURITY AND GERMINATION CERTIFICATE ATTACHED SEEDS

For over 53 years the farmers of the Ozarks have put their faith in "Star Brand Seeds" in sealed bags. Why? Because "Star Brand" Seeds are of the highest type, fully matured, perfectly recleaned, analyzed for purity and tested for germination. To enable you to secure your seeds at the lowest price we have local representatives in every community who order their seeds in large quantities or car-load lots. You can save money by ordering through our local representative.

**GERMAN MILLET.** We secure our Big German Millet seed only from the section that produces Big Type German Millet. The best of the millets, it is very prolific and produces an abundance of good hay when cut in the bloom stage. Makes a good catch crop following wheat or oats and its quick growth insures you of a large quantity of sweet, palatable and milk-producing hay. Is sometimes sown with early cowpeas at the rate of three pecks of millet to a bushel of cowpeas. Be sure to get the true type Big German Millet as it is not to be compared to other varieties.

**KOREAN LESPEDEZA.** The finest of legumes for reclaiming worn out soil. A good drought resistant; it has won the distinction of being the best Summer Legume pasture which so far has been introduced in this country. It will stand heavy grazing from early summer until killed by frost. Is ideal in permanent pasture mixtures with

Blue Grass, Orchard Grass or Red Top, Alsike and White Clover, and matures before smothering out of the fall grasses. Makes an excellent hay, comparing favorably with Alfalfa in feeding value. No preparation of the seed-bed is necessary; it is adapted to any soil, and is at its best when other grasses and clovers are dormant. Sow 20 to 25 pounds per acre alone, or 10 pounds per acre in pasture mixtures. Although an annual it reseeds itself where seed is allowed to mature.

**ATLAS SORGO.** Produces more grain and forage than any other sorghum. Many crops produced 10 to 20 tons per acre. The most popular of the grain sorghums. It is an enormous yielder of both forage and grain. The stalk and branches are both sweet and the grain is the most palatable of all the sorghums. It is the most valuable grain sorghum to grow because of its drought resisting qualities.

**CRIMSON CLOVER.** Sow 15 pounds per acre. Makes an excellent green grazing crop during the winter and early spring. Very practical to sow with the fall seeding grains and is a splendid soil improving crop.

**SUDAN GRASS.** A quick growing summer hay grass, often yielding two or three cuttings a season. The entire plant is eaten by stock and well liked. More and finer hay is secured when the seed is sown broadcast and often produces four tons or more to the acre. As an emergency pasture crop Sudan Grass has few equals. Also used as an ensilage and has about an equal value to corn silage. It is a very good drought resistant. Should be sown about two weeks after corn planting time, but can be sown up to the first week in July.

Inoculate all Legume Seeds with

## NITRAGIN

1898—FIFTY-ONE YEARS OF SERVICE—1949

When ordering, Always state name of seed.

### ALFALFA (A)

Swt., Bur, Hubam Clovers	Retail
Size	
1 bu. each...	\$.50
2 1/2 bu. each...	1.00

### CLOVERS (B)

Red, Alsike, Crimson, White and Ladino.	
1 bu. each...	\$.50
2 1/2 bu. each...	1.00

### LESPEDEZA (L)

100 lb. size (Inoculates up to 100 lbs.)	ea. \$.50
--	-----------

### PEAS, (C)

### VETCHES (All Varieties)

100 lb. size (Inoculates up to 100 lbs.)	ea. \$.50
--	-----------

### LUPINES (All Varieties)

100 lb. size (Inoculates up to 100 lbs. seed)	ea. \$.50
---	-----------

**GARDEN SIZE—Peas, Beans, Sweet Peas, Lupines, Lima Beans and Edible Soybeans**  
Enough for 8 lbs. seed — Retail Price 15c each

### SOYBEANS (S)

Size	Retail
2 bu. each.....	\$.30
5 bu. each.....	.50
25 bu. each.....	2.25
(One can)	
30 bu. each.....	2.95
(6-5 bu. cans)	

### BEANS (D)

Navy, Pinto, Wax, String, Kidney and Great Northern	
1 bu. each.....	\$.35

### PEANUTS, COW PEAS (E)

2 bu. each.....	\$.30
5 bu. each.....	.50
30 bu. each.....	2.95
(6-5 bu. cans)	

## GRASS SEEDERS



**CYCLONE.** A splendid seed sower that will pay for itself in a few days in the time saved. Each.....\$3.75

**LITTLE GIANT.** Similar in operation to the Cyclone. Size slightly smaller. Each.....\$3.50

**THE HORN.** Each.....\$1.35

Postage extra, 15c each.

## Star Brand RED CLOVER

At the present time it is exceptionally desirable to get a part of the farm back in this best known of the hay and legume crops. Red Clover is the best known soil builder and hay crop in this section and is also a valuable seed crop, and works in splendidly in a permanent pasture mixture.

## FARM and FIELD SEEDS—(Cont'd)



**SERICEA PERENNIAL LESPEDEZA.** Often called "The Poor Land Alfalfa." It comes each year from the crowns like Alfalfa, has an enormous root system and is a good soil builder when seeds are inoculated at planting time. Sow only scarified seeds at rate of 20 pounds per acre during April and May, preparing the seed bed as for Alfalfa and covering lightly.

**DOMESTIC RYE GRASS.** 24 pounds a bushel, sow 25 to 35 pounds per acre. A perennial, fine leaved grass, valuable as a green forage plant on land not easily cultivated.

**PERENNIAL RYE GRASS.** Used in permanent pasture mixtures. Best seeded in the fall and offers early grazing when other grasses are becoming established. Sow 20 to 25 pounds per acre alone.

**BROME GRASS or BROMUS INERMIS.** 14 pounds a bushel, sow 20 pounds per acre. Noted for its drought resisting qualities and is adapted to many soils. Big producer, makes good pasture.

**BUCKWHEAT.** 52 pounds a bushel, sow 50 pounds per acre. There are two distinct varieties, Japanese and Silverhull. The Japanese variety is regarded earlier. They can be sown as second crop following Barley, Rye, Wheat and Oats. Good for bees.

**WINTER BARLEY.** Mo. Early Beardless. 48 pounds a bushel, sow 95 to 100 pounds per acre. It makes a quick growing crop of most excellent and nutritious feed either to use green or cure for hay. About ten days earlier than other Winter Barley.

**WINTER BEARDED BARLEY.** 48 pounds a bushel, sow 95 to 100 pounds per acre. A very hardy variety and is used for heavy pasturing during the winter months, from which large yield of grain may be harvested. The best winter pasture variety.

**RENO BARLEY.** A bearded barley equal or superior to other varieties in ability to withstand winter killing. Has a medium stiff straw and stands for the combine without excessive shattering.

**BROOM CORN.** 48 pounds a bushel, plant 5 to 8 pounds per acre. We handle the four standard varieties: Improved Evergreen, Dwarf Evergreen, Black Spanish and White Italian.

**RAPE.** Dwarf Essex, 56 pounds a bushel, sow 8 pounds per acre. Provides pasture for all kinds of stock. Makes a large yield of green forage per acre and is very fattening. A good green manure crop.

**SUNFLOWER.** Mammoth Russian, sow 6 pounds per acre. Produces heads of an immense size, 15 to 20 inches in diameter, fine for poultry.

**RYE.** Winter and Spring, 56 pounds a bushel, sow 1 to 1½ bushels per acre. Has long been recognized as one of our best grains for winter pasture.

**BALBOA RYE.** Introduced in the last few years, grows much faster than any other rye. Stools much heavier, which means doubling the amount of grazing per acre. Also a much heavier grain producer, starts earlier and keeps green longer. Sow 1 to 1½ bushels per acre.

**VETCH.** Sand or Hairy and Spring. 60 pounds a bushel, sow 50 pounds per acre. Splendid variety of forage plant, hardy, valuable winter cover crop. Land builder.

**FETERITA.** 50 pounds a bushel, sow 50 pounds per acre. The grain is white, large and softer than Kaffir. Matures early.

**MUNG BEANS.** 8 pounds of seed plant an acre. Seeds are small, mature about 15 days earlier than Soy Beans or Cow Peas and produce larger cuttings of hay.

**OATS.** 32 pounds a bushel, sow 1 to 2½ bushels per acre. Leading varieties for the Ozarks: Texas Red Rustproof, Lincoln White, Kanota, Winter Turf, Columbia, Fulghum.

**OATS, WINTER TURF.** When sown early will furnish winter grazing crop as well as a good crop of grain in the spring.

**WHEAT.** 60 pounds a bushel, sow 80 pounds per acre. Clarkan re-cleaned winter soft. Dunbar re-cleaned winter soft.

**FODDER CANE SEED.** 50 pounds a bushel, sow 75 to 100 pounds per acre. For fodder. Leading varieties used: Early Orange, Standard Orange, Early Black Amber, Grohoma, Red Top, Texas Seeded Ribbon, Japanese Honey Drip, Darso.

**MILLET.** 50 pounds a bushel, sow 25 pounds per acre. The German type is most widely grown. **WHITE WONDER** is also very popular, produces even larger heads than the German type. **HOG MILLET** or **Manitoba** not so much for hay but yields enormous quantities of seed. **JAP MILLET** or **Billion Dollar Grass**, a wonderful hay producer, adapted to all sections and especially fine for low ground.

**MILO MAIZE.** 50 pounds a bushel, sow 40 pounds to the acre. A bigger grower, noted for its drought resisting qualities.

**WHITE KAFFIR CORN.** 50 pounds a bushel, sow 45 pounds per acre. Standard of all kaffirs.

**HEGARI.** 50 pounds a bushel, drill 50 pounds per acre. Resembles White Kaffir but the heads are larger, stalks contain more sugar.

**COW PEAS.** 60 pounds a bushel, plant broadcast 60 pounds to an acre. Drilled 50 pounds per acre. There is no cheaper way to improve poor land than by growing Cow Peas. They add nitrogen and improve the mechanical condition of the soil. Leading varieties are: Whippoorwill, Black Eye, Mixed, New Era, The Clay, Canada Field, Red Ripper, Sugar Pea, Blue Goose, Brown Eyed, Lady Pea.

**JOHNSON GRASS.** 25 pounds a bushel. Sow 25 pounds to the acre. (Prohibited in some states.)

**SOY BEANS.** 60 pounds a bushel, plant 1 bushel per acre. They make poor land good, they make good land better. Soy Bean hay contains a high per cent of protein, is superior to Cow Peas in feeding value and as a milk and butter producer is equal to Alfalfa and superior to Cotton Seed meal. The beans and bean meal contain about 35% of digestible protein and stock eat them with relish and thrive on them. Virginia, Early Yellow, Wilson (Early Black), Illini, Laredo, Manchou.

## Reduce Wastage of Seed, Fertilizer and Labor by Protecting Seed with



### SEED DISINFECTANTS BEFORE PLANTING

**SEMESAN.** Treat your seeds, corms, bulbs, and seedlings with Semesan. Use as a dust or in solution with water. Semesan helps reduce seed rotting and damping-off, is highly effective against many seed-borne diseases, even reduces contamination of the soil by certain seed-borne diseases. One ounce treats 15 to 30 pounds of seed. 1/3 oz., 20c; 2 oz., 45c; 12 oz., \$2.10; 4 lbs., \$10.10; 25 lbs., \$58.28.



experiment station gave an average yield of 4 bushels per acre from the treatments used. Only 1½ ounces of Semesan Jr. needed per bushel. 1½ oz., 17c; 12-oz. can, 62c; 25 lbs., \$13.85.

This easy dip disinfectant generally reduces the seed-borne scab and Rhizoctonia, and seed decay, thereby helps to improve yields and lower production costs. Average increase of 13.6 per cent in yields was obtained in tests. No mussy soaking. Treat your seed about as fast as you can dip it. One pound treats 60 to 80 bushels of seed—easily, quickly, inexpensively. 2 oz., 35c; 1 lb., \$1.83; 4 lbs., \$6.33.

Use this dry treatment on seed wheat, oats, barley, rye, and peas, to reduce seed-borne diseases and to help improve your yield and thereby increase your profit. Tests by experiment stations prove its effectiveness against covered and black loose smut of barley, loose and covered smut of oats, stinking

smut of wheat, seedling blight of all three. Usually, increased yields repay its small cost. Easily applied. One pound treats 32 bushels of grain. 4 oz., 35c; 1 lb., 90c; 4 lbs., \$3.00.

Ceresan-treated cottonseed usually produces better stands of more vigorous plants and larger yields. Treatment allows earlier planting, reduces damping-off and seed decay, which occurs under cold, wet soil conditions. It checks the several seed-borne diseases. 3 ounces treat a bushel of fuzzy seed. 1-lb. size, 85c; 1½ lbs., \$1.25; 25 lbs., \$16.09.

Prices of DuPont Disinfectants are subject to change without notice and orders will be filled contingent upon supplies being available.

smut of wheat, seedling blight of all three. Usually, increased yields repay its small cost. Easily applied. One pound treats 32 bushels of grain. 4 oz., 35c; 1 lb., 90c; 4 lbs., \$3.00.

Ceresan-treated cottonseed usually produces better stands of more vigorous plants and larger yields. Treatment allows earlier planting, reduces damping-off and seed decay, which occurs under cold, wet soil conditions. It checks the several seed-borne diseases. 3 ounces treat a bushel of fuzzy seed. 1-lb. size, 85c; 1½ lbs., \$1.25; 25 lbs., \$16.09.

Prices of DuPont Disinfectants are subject to change without notice and orders will be filled contingent upon supplies being available.

TREAT WITH QUICK, EASY  
**SEMESAN BEL**  
DIP FOR LARGER POTATO CROPS

TREAT ALL CEREAL SEED WITH  
**CERESAN**  
FOR GREATER YIELDS

TREAT COTTON SEED WITH  
**2% CERESAN**  
FOR BETTER STANDS AND YIELDS

# The Field and Garden Seed Situation

Many grass crops, as well as alfalfa, have developed very short in comparison to last season. Plowing up of some grass seed acreage to put in grain crops has brought a part of this about. Considerable damage was done by spring drought followed by excessive moisture at planting time and at the time plants were in bloom.

An active demand has caused markets to advance considerably on items which are short in supply. Others are priced about the same as last year.

This also applies to some varieties of garden seeds, particularly Peas and Beans and some of the root crops.

The high quality of STAR BRAND SEEDS is still being maintained by us, regardless of these shortages.

We appreciate the business given to us by our many customers and friends throughout the years; some of them have been dealing with us during the more than 53 years that we have been in business. Your orders and inquiries will have our careful attention.

## PLANTING GUIDE

### WEIGHTS, MEASURES AND AMOUNT OF SEED SOWN PER ACRE.

	Lbs. per acre	Lbs. per bu.	Time of Seeding			Lbs. per acre	Lbs. per bu.	Time of Seeding	
Alfalfa .....	15-20	60	Feb.-May	Aug.-Sept.	Hegari, drills .....	40-50	50	May-July	
Atlas Sorgo, rows .....	8-12	50	May-July		Hegari, broadcast .....	50-60	50	May-July	
Atlas Sorgo, drills .....	30-40	50	May-July		Johnson Grass .....	25-30	25	Apr.-June	
Atlas Sorgo, broadcast .....	75-100	50	May-July		Kaffir, drills .....	35-45	50	May-July	
Barley .....	35-100	48	Apr.-June	Aug.-Oct.	Kaffir, rows .....	6-8	50	May-July	
Beans, in hills .....	20-35	60	Apr.-Aug.		Kaffir, broadcast .....	50-60	50	May-July	
Bermuda Grass .....	4-6	40	Mar.-May	Aug.-Sept.	Lawn Grass .....	60-130	20	Feb.-May	Aug.-Sept.
Black Medic, drills .....	14-17	60	Feb.-May	Aug.-Sept.	Lespedeza, Korean .....	15-20	25	Feb.-May	
Black Medic, broadcast .....	18-22	60	Feb.-May	Aug.-Sept.	Lespedeza, Kobe .....	20-25	25	Feb.-Apr.	
Bluegrass, Ky., pasture .....	20-30	14	Feb.-May	Aug.-Sept.	Lespedeza, Sericea, broadcast .....	20-30	60	Feb.-May	
Bluegrass, Ky., lawns .....	60-130	14	Feb.-June	Aug.-Sept.	Lespedeza, Sericea, drills .....	3-4	60	Feb.-May	
Bluegrass, Canada, pasture .....	14-20	14	Mar.-June	Aug.-Sept.	Millet, German, for hay .....	20-30	50	Apr.-June	
Bluegrass, Canada, lawns .....	60-130	14	Mar.-June	Aug.-Sept.	Millet, German, for seed .....	25	50	Apr.-June	
Brome Grass, for hay .....	18-20	14	Mar.-June	Aug.-Sept.	Millet, Hog .....	12-15	50	Apr.-May	
Brome Grass, pasture .....	20-25	14	Mar.-June	Aug.-Sept.	Milo Maize, broadcast .....	50-60	50	May-July	
Broom Corn .....	5-8	48	Apr.-June	Aug.-Sept.	Milo Maize, rows .....	6-8	50	May-July	
Buckwheat .....	50-60	52	May-July		Milo Maize, drills .....	40-50	50	May-July	
Bur Clover .....	12-15	60	Feb.-May		Mung Beans, drills .....	5-8	60	Apr.-June	
Canary Grass, Reeds, rows .....	2-3	48	Feb.-Apr.	Aug.-Sept.	Mung Beans, broadcast .....	50-70	60	Apr.-June	
Canary Grass, Reeds, broadcast .....	7-10	48	Feb.-Apr.	Aug.-Sept.	Oats .....	48-70	32	Mar.-May	Aug.-Oct.
Cane, forage, broadcast .....	75-100	50	May-July		Onion Plants .....	40,000-50,000		Mar.-May	
Cane, drills .....	50-65	50	May-July		Onion Sets .....	8 bu.	32	Mar.-May	
Cane, seed or syrup .....	8-10	50	May-July		Onion Seed for Sets .....	40-80		Mar.-May	
Clover, Alsike .....	4-8	60	Feb.-Apr.	Aug.-Sept.	Orchard Grass, hay .....	21-28	14	Feb.-May	Aug.-Sept.
Clover, Alsike and Timothy .....	15-20	45	Feb.-June	Aug.-Sept.	Orchard Grass, seed .....	10-14	14	Feb.-May	Aug.-Sept.
Clover, Crimson .....	12-15	50		July-Sept.	Peanuts .....	44	22	Apr.-May	
Clover, Hop, alone .....	4-8	60	Feb.-May	Aug.-Sept.	Pop Corn .....	8-12	56	May-June	
Clover, Hop, in mixture .....	2-3	60	Feb.-May	Aug.-Sept.	Potatoes .....	400	60	Mar.-May	
Clover, Hubam .....	20-25	60	Feb.-Apr.		Rape, drills .....	4-5	50	Apr.-June	July-Aug.
Clover, Ladino .....	4-6	60	Feb.-May	Aug.-Sept.	Rape, broadcast .....	10-14	50	Apr.-June	July-Aug.
Clover, Mam., alone .....	8-12	60	Feb.-Apr.	Aug.-Sept.	Red Top, solid seed .....	6-12	14	Feb.-June	Sept.-Nov.
Clover, Red, alone .....	8-12	60	Feb.-Apr.	Aug.-Sept.	Rye, for grain .....	55-65	56	Apr.-June	Sept.-Nov.
Clover, Sweet, hulled .....	18-20	60	Feb.-Apr.	Aug.-Sept.	Rye, Balboa, for pasture .....	70-85	56		Sept.-Nov.
Clover, Sweet, unhulled .....	30-40	60		Dec.-Feb.	Rye Grass, Domestic .....	25-35	20	Mar.-June	Sept.-Nov.
Clover, White, Dutch .....	4-8	60	Feb.-May	Aug.-Sept.	Rye Grass, Perennial .....	20-25	20	Mar.-June	Sept.-Nov.
Corn, Field .....	7-14	56	May-June		Soy Beans, drills .....	30-40	60	May-Aug.	
Corn, for Silage .....	40-50	56	May-June		Soy Beans, broadcast .....	60-80	60	May-Aug.	
Cow Peas, broadcast .....	60-75	60	May-July		Soy Beans, Loreda, drills .....	15-20	60	Apr.-July	
Cow Peas, drills .....	40-50	60	May-July		Soy Beans, Loreda, broadcast .....	30-40	60	Apr.-July	
Cow Peas, rows .....	15-20	60	May-July		Speltz or Emmer .....	30-40	40	Apr.-May	
Canada Field Peas, broadcast .....	60-75	60	May-Aug.		Sudan, rows .....	5-7	40	Apr.-June	
Canada Field Peas, with Oats .....	30-45	60	Apr.-May		Sudan, broadcast .....	15-30	40	May-July	
Crested Wheat Grass .....	10-12	22	Feb.-Apr.	Aug.-Sept.	Sunflower, drills .....	20	28	May-July	
Dallas Grass .....	10-15	25	Feb.-Apr.	Sept.-Nov.	Sunflower, rows .....	3-6	28	May-July	
Darso .....	40-50	50	May-July		Sweet Corn, drills for fodder .....	75	50	May-June	
Fescue, Meadow .....	20-30	24	Feb.-Apr.	Aug.-Sept.	Sweet Corn, broadcast .....	150	50	May-June	
Fescue, other varieties .....	28-35	14	Apr.-June		Timothy .....	7-12	45	Apr.-June	Aug.-Nov.
Feterita, broadcast .....	50-70	50	May-July		Timothy & Clover: Timothy .....	8	45	Apr.-June	Aug.-Nov.
Feterita, rows .....	6-8	50	May-July		Timothy & Clover: Clover .....	4	45	Apr.-June	Aug.-Nov.
Feterita, drills .....	40-50	50	May-July		Tobacco .....	1-oz. to 5,000	plants		
Flax, for seed .....	35-45	56	May-June		Vetch, Hairy, drills .....	40	60	Feb.-Mar.	
Grohoma, broadcast .....	50-60	50	May-July		Vetch, Hairy, broadcast .....	50	60	Aug. Sept.	
Grohoma, rows .....	6-8	50	May-July		Vetch, Spring .....	40	60	Mar.-Apr.	
Grohoma, drills .....	30-40	50	May-July		(plus 1 bu. small grain)				
Hegari, rows .....	6-8	50	May-July		Wheat, drills .....	60-80	60		Sept.-Nov.

"The Springfield Seed Company gives no warranty, express or implied, as to the productiveness of any seeds, plants or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed."

## SPRAY CALENDAR—WHEN TO SPRAY, WHAT TO USE

Insect or Disease	Plant Attacked	What to Spray With	First Spraying
Coddling Moth .....	Apple, Pear	Arsenate of Lead .....	Just before calyx cups close.
San Jose Scale .....	Apple, Pear	Lime Sulphur .....	While trees are dormant.
Aphids .....	Roses and Plants .....	Black Leaf 40 .....	As soon as insects appear.
Cabbage Worms .....	Cabbage	Arsenate of Lead .....	When insects appear.
Scab .....	Apple and Pear	Lime Sulphur .....	Just before blossoms open.
Potato Bugs .....	Potatoes	Arsenate of Lead .....	When bugs appear.
Leaf Curl .....	Peach	Lime Sulphur Solution .....	While trees are dormant.
Mildew .....	Gooseberry	Potassium Sulphide .....	Just as buds burst.
Worms .....	Gooseberry	Slug Shot .....	When worms appear.
Blotch .....	Apple	Bordeaux Mixture .....	Two weeks after petals fall.
Black Rot .....	Grapes	Bordeaux Mixture .....	When buds are ¼-inch long.
Brown Rot .....	Peach and Plum .....	Magnetic Sulphur .....	Just before buds open.
Mildew .....	Roses and Flowering Shrubs .....	Potassium Sulphide .....	As soon as infection appears.
Melon and Cucumber Beetle .....	Melons and Cucumbers .....	Tobacco Dust .....	As soon as plants come up.
Moles, Rats, Chinch Bugs .....		Cyanogas .....	
Insects .....	Shrubs and Plants .....	Slug Shot .....	When insects appear.

See page 31.



Star  
Brand ★

# VEGETABLE SEED

## MAKE YOUR GARDEN WORK THE YEAR AROUND

For Best Results Plant STAR BRAND SEED

Many people think that seeds cannot be planted any other time than in April and May. This is far from true. The wide-awake gardener begins sowing as early in the spring as possible and sows succession crops throughout the summer and until late in the fall. Succession crops are most important, since they provide fresh vegetables for fall and winter use. A cellar full of stored vegetables is a good investment. Grow all the vegetables your garden can produce. Eat them fresh, evaporate them, can them, store them, and be independent of high food prices.

TREAT BEFORE PLANTING WITH  
**SEMESAN**  
FOR DISEASE PROTECTION



## OUR COMPLETE LINE OF STANDARD GARDEN SEEDS

CAN BE ORDERED IN PACKETS OR BULK. WRITE FOR PRICES IN LARGE QUANTITIES.  
ALL GARDEN SEED POSTPAID.

BUSH BEANS—Green Pod	Pkt.	Lb.
Bountiful .....	.10	.40
Burpee's Stringless .....	.10	.40
Commodore (Dw. Ky. Wond.) .....	.15	.60
Dwarf Horticulture .....	.10	.40
Early Yellow Six Weeks .....	.10	.40
Full Measure .....	.10	.40
Giant Green Pod Stringless .....	.10	.40
Imp. Round Red Valentine .....	.10	.40
Knife Blade .....	.10	.40
Landreth's Stringless .....	.10	.40
Red Kidney .....	.10	.40
Tender Green Stringless .....	.10	.40
Tennessee Green Pod .....	.10	.40

BUSH LIMA	Pkt.	Lb.
Burpee's Bush Lima .....	.10	.40
Fordhook Bush Lima .....	.15	.40
Henderson's Bush Lima .....	.10	.40
Speckled Lima Bush .....	.10	.40

WAX BEANS	Pkt.	Lb.
German Black Wax .....	.10	.40
Golden Wax .....	.10	.40
Kentucky Wonder Wax .....	.10	.50
Pencil Pod Wax .....	.10	.40

BEANS—Pole or Running	Pkt.	Lb.
Blue Lake .....	.10	.40
Dutch Case Knife .....	.10	.40
Horticulture Pole .....	.10	.40
Kentucky Cut Short .....	.10	.40
Kentucky Wonder .....	.10	.40
Lazy Wife .....	.10	.40
Missouri Wonder .....	.10	.40
Striped Creaseback .....	.10	.40
White Cornfield .....	.10	.40
White Creaseback .....	.10	.40
White Kentucky Wonder .....	.10	.40
Navy .....	.10	.40
Pinto .....	.10	.40
Great Northern .....	.10	.40

BEANS—Pole Lima	Pkt.	Lb.
King of the Garden .....	.10	.40
Large White Lima .....	.10	.40
Sleva Lima .....	.10	.40
Speckled Lima .....	.10	.40
Giant Podded Speckled Lima .....	.10	.40

PEAS	Pkt.	Lb.
Alaska, 2-ft. .....	.10	.35
American Wonder, 10-in. ....	.10	.35
Champion of England, 5-ft. ....	.10	.35
Dwarf Tom Thumb, 12-in. ....	.10	.35
Dwarf Telephone .....	.10	.35
Everbearing, 2-ft. ....	.10	.35
Extra Early, 2-ft. ....	.10	.35
First and Best, 2-ft. ....	.10	.35
Gradus, 3-ft. ....	.10	.35
Lg. White Marrowfat, 5-ft. ....	.10	.35
Laxtonian, 20-in. ....	.10	.35
Laxton's Progress, 18-in. ....	.10	.35
Little Gem, 18-in. ....	.10	.35
Little Marvel .....	.10	.35
Nott's Excelsior, 15-in. ....	.10	.35
Telephone, 4-ft. ....	.10	.35
Thomas Laxton, 3-ft. ....	.10	.35
Dwf. Grey Sugar Edible Pod. ....	.10	.35
Tall Grey Sugar Edible Pod. ....	.10	.35

SWEET CORN—Northern Grown	Pkt.	Lb.
Adam's Early .....	.10	.35
Adam's Extra Early .....	.10	.35
Country Gent. Shoe Peg .....	.10	.35
Country Gent. Hybrid .....	.15	.50
Early Evergreen .....	.10	.35

SWEET CORN—(Continued)	Pkt.	Lb.
Golden Bantam .....	.10	.35
Golden Cross Bantam .....	.15	.50
Golden Giant .....	.10	.35
Golden Country Gentlemen .....	.10	.35
Stowell's Evergreen .....	.10	.35
Stowell's Evergreen Hybrid .....	.15	.50
Trucker's Favorite .....	.10	.35

POP CORN	Pkt.	Lb.
South American .....	.10	...
Japanese Hulless .....	.10	...
Yellow Hybrid .....	.15	...

ASPARAGUS	Pkt.	Oz.
Mary Washington .....	.05	.15

BEETS	Pkt.	Oz.
Detroit Dark Red Turnip .....	.05	.15
Early Blood Turnip, Imp. ....	.05	.15
Early Wonder .....	.05	.15
Edmund's Blood Turnip .....	.05	.15
Egyptian Blood Turnip .....	.05	.15
Swiss Chard, Laculus .....	.05	.15

MANGEL WURZEL	Pkt.	Oz.
Golden Tankard .....	.05	.15
Improved White Sugar .....	.05	.15
Mammoth Long Red, Imp. ....	.05	.15

BROCCOLI	Pkt.	Oz.
Mammoth White .....	.10	.30

BRUSSELS SPROUTS	Pkt.	Oz.
Hercules .....	.10	.30

CABBAGE—Early Sorts	Pkt.	Oz.
All Season .....	.10	.30
Charleston or Large Wakefield ..	.10	.30
Chinese Cabbage Chihli .....	.10	.30
Chinese Cabbage, Pe-Tsai .....	.10	.30
Chinese Cabbage (Wong Bok) ....	.10	.30
Copenhagen .....	.10	.30
Early Dwarf Flat Dutch .....	.10	.30
Ex. Early Jersey Wakefield .....	.10	.30
Golden Acre .....	.10	.30
Jersey Queen .....	.10	.30
Yellow Resistant .....	.10	.30

CABBAGE—Late Sorts	Pkt.	Oz.
Premium Late Flat Dutch .....	.10	.30
Red Dutch .....	.10	.30

CARROTS	Pkt.	Oz.
Chantenay .....	.05	.20
Danver's Half Long .....	.05	.20
Long Orange .....	.05	.20
Nantez .....	.05	.20
New Bunching .....	.05	.20
New Coreless .....	.05	.20
Oxheart .....	.05	.20

CUCUMBER	Pkt.	Oz.
A-C .....	.05	.20
Boston Pickling .....	.05	.20
Chicago Pickling .....	.05	.20
Davis Perfect .....	.05	.20
Earliest of All .....	.05	.20
Early Cluster .....	.05	.20
Early Fortune .....	.05	.20
Evergreen White Spine .....	.05	.20
Gherkin .....	.05	.20
Japanese Climbing .....	.05	.20
Longfellow .....	.05	.20
Long Green Improved .....	.05	.20
Snow's Perfection .....	.05	.20
Straight Eight .....	.05	.20
White Wonder .....	.05	.20

CAULIFLOWER	Pkt.	Oz.
Danish Dry Weather .....	.15	...
Early Snowball .....	.15	...

CELERIAC	Pkt.	Oz.
Turnip Rooted .....	.10	.40

CELERY	Pkt.	Oz.
Giant Pascal .....	.15	.40
Golden Plume Dwarf .....	.15	.40
Golden Self Blanching .....	.15	.40
White Plume .....	.15	.40

COLLARDS	Pkt.	Oz.
Georgia .....	.05	.10

EGGPLANT	Pkt.	Oz.
Black Beauty .....	.10	.40
New York Improved .....	.10	.40

ENDIVE	Pkt.	Oz.
Ever White Mammoth .....	.05	.20
Green Curled Mammoth .....	.05	.20

KALE	Pkt.	Oz.
Dwarf Curled Mammoth .....	.10	.15
Dwarf Green Curled .....	.10	.15

KOHL RABI	Pkt.	Oz.
Early Purple Vienna .....	.10	.30
Early White Erfurt .....	.10	.30
White Vienna .....	.10	.30

LEEK	Pkt.	Oz.
London Flag .....	.20	.50

LETTUCE	Pkt.	Oz.
Bibb .....	.05	.20
Big Boston .....	.05	.20
Black Seeded Simpson .....	.05	.20
California Cream Butter .....	.05	.20
Early Curled Simpson .....	.05	.20
Grand Rapids Forcing .....	.05	.20
Hanson Improved, Head .....	.05	.20
Iceberg .....	.05	.20
New York Wonderful .....	.05	.20
Paris White Cos .....	.05	.20
Prize Head .....	.05	.20

MUSKMELON	Pkt.	Oz.
Banana .....	.05	.20
Early Hackensack .....	.05	.20
Extra Large Hackensack .....	.05	.20
Hale's Best .....	.05	.20
Hearts of Gold .....	.05	.20
Honey Dew .....	.05	.20
Long Yellow Cantaloupe .....	.05	.20
Rocky Ford .....	.05	.20
Tip Top .....	.05	.20

WATERMELON	Pkt.	Oz.
Alabama Sweet .....	.05	.15
Citron, Green .....	.05	.15
Citron, Red .....	.05	.15
Dixie Queen .....	.05	.15
Early Kaissas .....	.05	.15
Florida Giant .....	.05	.15
Georgia Rattlesnake .....	.05	.15
Golden Honey (Yellow) .....	.05	.15
Halbert Honey .....	.05	.15
Halbert Honey, Certified .....	.10	.20
Irish Gray .....	.05	.15
Irish Gray, Certified .....	.10	.20
Kleckley's Sweet .....	.05	.15
Kleckley's Sweet, Certified .....	.10	.20
Stone Mountain .....	.05	.15
Stone Mountain Certified .....	.10	.20
Sweetheart .....	.05	.15



# ★ Star Brand ★ VEGETABLE SEED Springfield Seed Co. . . .

**Order Your Garden Seed Early. Several Varieties of Garden Seed Are Very Short.**

WATERMELONS—(Continued)		Pkt.	Oz.	PUMPKIN—(Continued)		Pkt.	Oz.	TOMATO—(Continued)		Pkt.	Oz.
Tom Watson		.05	.15	Striped Cushaw, for pies		.05	.20	Marglobe Certified		.10	.50
Tom Watson Certified		.10	.20	Tennessee Sweet Potato, for pies		.05	.20	Beefsteak		.10	.50
Winter Melon		.05	.15	White Cushaw		.05	.20	Bonny Best		.10	.40
<b>MUSTARD</b>				<b>RADISH</b>				Break O'Day		.10	.50
Chinese Curled		.05	.10	Crimson Giant Forcing		.05	.10	Chalk's Early Jewel		.10	.40
Giant Southern Curled		.05	.10	Early Scarlet Turnip		.05	.10	Crimson Cushion		.10	.50
Japanese		.05	.10	Early Scarlet Turnip, white tip		.05	.10	Detroit		.10	.50
Ostrich Plume		.05	.10	French Breakfast		.05	.10	Dwarf Stone		.10	.50
White		.05	.10	Icicle		.05	.10	Golden Queen		.10	.50
<b>OKRA</b>				Long Bright Scarlet, white tip		.05	.10	Gulf State Market		.10	.40
Long Green		.05	.10	Long Scarlet Short Top		.05	.10	John Baer		.10	.25
White Velvet		.05	.10	Sparkler White Tipped		.05	.10	June Pink		.10	.40
Clemson Spineless		.05	.10	Vicks Scarlet Globe		.05	.10	Oxheart		.10	.75
Dwarf Green		.05	.10	White Strassburg		.05	.10	Pear Shaped, Red		.10	.50
<b>ONION</b>				White Vienna or Lady Finger		.05	.10	Pear Shaped, Yellow		.10	.50
Bermuda Crystal White Wax		.15	.40	<b>RADISH—WINTER VARIETIES</b>				Ponderosa		.10	.50
Bermuda Yellow		.15	.40	California White Winter		.05	.10	Ponderosa, Yellow		.10	.75
Large Red Wethersfield		.15	.40	China Rose Winter		.05	.10	Pritchard or Scarlet Topper		.10	.40
Prizetaker or Spanish King		.15	.40	Long Black Spanish		.05	.10	Rutger's		.10	.25
Southport Red Globe		.15	.40	Round Black Spanish		.05	.10	Spark's Earliana		.10	.40
Southport White Globe		.15	.40	Chinese White		.05	.10	Stokesdale		.10	.30
Sweet Spanish White		.15	.40	<b>RHUBARB</b>				Yellow Plum		.10	.50
Sweet Spanish Yellow		.15	.40	Victoria		.10	.20	Valiant		.10	.40
White Portugal or Silver Skin		.15	.40	<b>SALSIFY</b>				Rutgers Certified		.10	.50
Yellow Danvers Globe		.15	.40	Mammoth Sandwich Island		.10	.25	<b>TURNIP</b>			
<b>PEPPER</b>				<b>SPINACH</b>				Amber Globe		.05	.10
California Wonder		.10	.45	Bloomsdale, Savoy Leaved		.05	.10	Early Flat White Dutch		.05	.10
Cayenne, Small		.10	.45	Bloomsdale, Long Standing		.05	.10	Extra Early Purple Top Milan		.05	.15
Cayenne, Long Red		.10	.45	Giant Nobel		.05	.10	Extra Early White Top Milan		.05	.15
Chinese Giant		.10	.45	Japanese Mustard Spinach		.05	.10	Pomeranian White Globe		.05	.10
Golden Dawn		.10	.45	King of Denmark		.05	.10	Purple Top Strap Leaf		.05	.10
Golden Queen		.10	.45	New Zealand		.05	.10	Purple Top White Globe		.05	.10
Harris Earliest		.10	.45	Round Thick Leaved		.05	.10	Seven Top		.05	.10
Harris Giant		.10	.45	<b>SQUASH</b>				Shogoin Louse Resistant		.05	.10
Large Bell or Bull Nose		.10	.45	Banana		.05	.15	Yellow Globe		.05	.10
Pimento		.10	.45	Chicago Warty Hubbard		.05	.15	<b>RUTABAGA or SWEDISH TURNIP</b>			
Red Cherry		.10	.45	Delicious		.05	.15	American Purple Top		.05	.10
Red Chili		.10	.45	Giant Summer Crookneck		.05	.15	<b>SWEET PEAS</b>			
Ruby Giant		.10	.45	Golden Hubbard		.05	.15	Choice Mixed		.05	.15
Ruby King		.10	.45	Hubbard		.05	.15	Spencer Mixed		.10	.25
World Beater		.10	.45	Sweet Potato		.05	.15	<b>NASTURTIUM</b>			
<b>PARSLEY</b>				White Bush		.05	.15	Dwarf Mixed		.10	.25
Moss Curled		.05	.15	Winter Crookneck		.05	.15	Tall Mixed		.10	.25
Triple Curled		.05	.15	Yellow Bush		.05	.15	<b>CASTOR BEANS</b>			
<b>PARSNIP</b>				<b>TOBACCO</b>				Flowering		.10	..
Hollow Crown		.05	.15	Big Havannah		.10	.50	<b>HERBS</b>			
Long Smooth		.05	.15	Judy's Pride		.10	.50	Basil Sweet		.10	..
<b>PUMPKIN</b>				Missouri's Broad Leaf		.10	.50	Caraway		.10	..
Common Field, Stock		.05	.10	Red Burley		.10	.50	Dill		.10	..
Japanese Pie, for pies		.05	.20	Yellow Pryor		.10	.50	Fennel		.10	..
Jonathan, for pies		.05	.20	<b>TOMATO</b>				Sage		.10	..
Kentucky Field Stock		.05	.10	Greater Baltimore		.10	.25	Summer Savory		.10	..
King of Mammoth, for pies		.05	.20	New Stone		.10	.25	Sweet Marjoram		.10	..
Large Cheese, all purpose		.05	.10	Marglobe		.10	.25	Sweet Thyme		.10	..
Small Sugar, for pies		.05	.20								

Stocks Offered Subject to Supply Being Available on Receipt of Order . . . . Prices Subject to Change Without Notice.

## ASPARAGUS

Pkt., 5c

Oz., 15c



**CULTURE**—Asparagus, which is one of our earliest spring vegetables, is also one of the most widely appreciated and extensively cultivated. Can be grown in any soil which is not too wet. Seed should be sown in March or April, in rows 14 inches apart, and lightly covered with a layer of soil  $\frac{1}{2}$  to  $\frac{3}{4}$  inch deep. When the seed is up they should be thinned out. Prepare permanent bed by digging a trench 18 inches wide and 20 inches deep. Fill one-third full with well rotted manure and tramp it down. Half fill remaining space with good soil, and set the root clumps of the Asparagus, one foot apart. Cover roots to surface with good soil. The stalks should not be cut until a year after planting and then but lightly. Full harvest may be taken after this.

**WASHINGTON.** A vigorous growing and very productive variety which has been bred to resist the disease known as "Asparagus Rust." The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips.

**PALMETTO.** Of very large size, even and regular in growth and appearance. A very early sort immensely productive and of the best quality.



Martha Washington

## ASPARAGUS ROOTS

2 years old. We can furnish Washington roots at 25 Roots, \$1.35; 100 Roots, \$4.25; Prepaid.

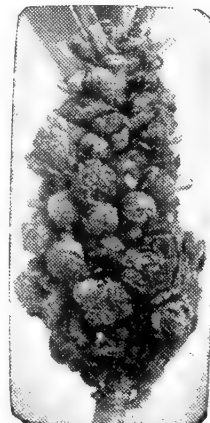
## BROCCOLI

**ITALIAN GREEN SPROUTING.** A distinct variety for the home garden. Plant forms a central head, fairly compact cluster of flower buds resembling cauliflower except that it is green in color. Center head can be cut about sixty days after planting and smaller heads on side branches throughout the summer. Delicious and healthful. Pkt., 10c; 1 oz., 30c.

## BRUSSELS SPROUTS

One of the most delicious garden vegetables. Plant in 3-foot rows,  $\frac{1}{2}$  to 2 feet apart. One ounce will produce about 200 plants. Cultivate same as cabbage. Autumn grown sprouts, drilled in May and transplanted in July, generally do the best, as the plants are quite hardy and the buds mellow under frost.

**DWARF IMPROVED.** A variety producing compact sprouts of excellent quality. Pkt., 10c; oz., 30c.



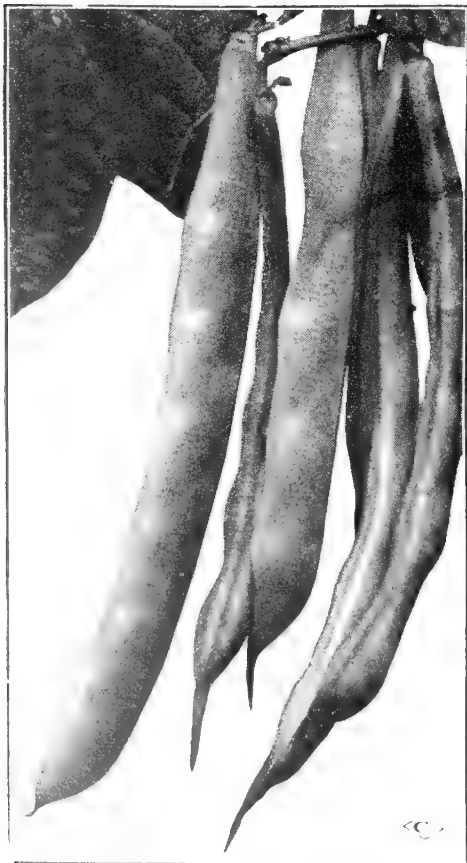
Brussels Sprouts



BUSH KENTUCKY WONDER

**BUSH KENTUCKY WONDER.** New bush form of Kentucky Wonder with same flavor as the pole bean. Big, long stringless green pods; a heavy bearer. Be sure to try this bean. Pkt., 15c; lb., 60c.

**CULTURE**—Beans are sensitive to both cold and wet, so do not plant till the ground is warm. To have a continuous supply plant every two weeks from the time the ground gets warm till the middle of August; farther south they may be planted even later. Make the rows 2 and 3 feet apart, drop the beans 3 inches apart and cover  $1\frac{1}{2}$  to 2 inches deep. Give frequent but shallow cultivation up to blooming time, not afterward, and never when the plants are wet. Plant in a light loamy soil that warms up quickly. One pound plants 60 feet; 100 pounds will plant an acre.



BURPEE'S STRINGLESS GREEN POD

## GREEN PODDED BUSH

Pkt.  
10c

Lb.  
40c

**LANDRETH'S STRINGLESS.** 53 Days. 6 in., slightly curved, round, dark green fleshy pods, stringless, seeds brown.

**BOUNTIFUL.** Six Weeks, 50 Days. 8-in. straight broad flat light green pod, stringless.

**BURPEE'S STRINGLESS.** 55 Days. 5-in. curved round green fleshy pod, stringless.

**FULL MEASURE.** 54 Days. 6-in. fairly straight dark green round pod, stringless.

**GIANT STRINGLESS.** 54 Days. 6-in. round fairly straight light green pod, stringless.

**RED VALENTINE.** 54 Days. 6-in. fairly straight green pod, strings.

**TENNESSEE GREEN POD.** 52 Days. 8-in. flat very broad dark green pod, strings.

**TENDERGREEN.** 54 Days. The pods are long, light green in color, round and absolutely stringless. Yields a heavy crop of early beans.

**PLENTIFUL.** 48 Days. Dark green pods 6 to 8 in. long. Free from strings at all stages of growth.

**STREAMLINER.** (New.) 50 Days. A tender flat pod bean 8 to 10 inches long. White seeded. Its long pods are stringless and quite free from fibre. Pkt., 15c.

## POLE or RUNNING

**KENTUCKY WONDER.** 70 Days. 9-in. round curved pod, strings.

**KENTUCKY WONDER (White).** 70 Days. 7-in. round brittle pods, stringless.

**KENTUCKY CUT SHORT.** 72 Days. 4-in. straight flat pods, strings.

**DUTCH CASE KNIFE.** 65 Days. 8-in. straight flat pods, strings.

**LAZY WIFE.** 75 Days. 6-in. straight fleshy pods, stringless.

**MISSOURI WONDER.** 66 Days. 5-in. flat curved pods, productive, strings.

**STRIPED CREASEBACK.** 70 Days. 6½-in. straight round pods, strings.

**WHITE CREASEBACK.** 65 Days. 5½-in. round curved pods, nearly stringless.

## POLE LIMA

**KING OF THE GARDEN.** 88 Days. Strong growing and large podded, 4 to 5 beans.

**SIEVA (Carolina).** 77 Days. Early, hardy, productive and a continuous bearer. Very popular.

**SPECKLED.** 90 Days. A small seeded dependable prolific variety, popular.

**GIANT PODDED SPECKLED.** 90 Days. The largest podded Lima we know of. Pods measuring 7 inches long by 1½ inches broad. Try a packet of these.

ALL GARDEN SEED POSTPAID.  
SEE PAGE 20 FOR COMPLETE  
GARDEN SEED LIST.

# ★ BEANS ★



HENDERSON BUSH LIMA

## BUSH LIMA

**BURPEE'S.** 77 Days. Strong vigorous pods, beans medium size.

**FORDHOOKS.** 75 Days. Erect heavy producing vine. Pods 4 to 4½ inches long.

**HENDERSON.** 65 Days. Medium height, compact vine. 3-in. pod, small seeded.

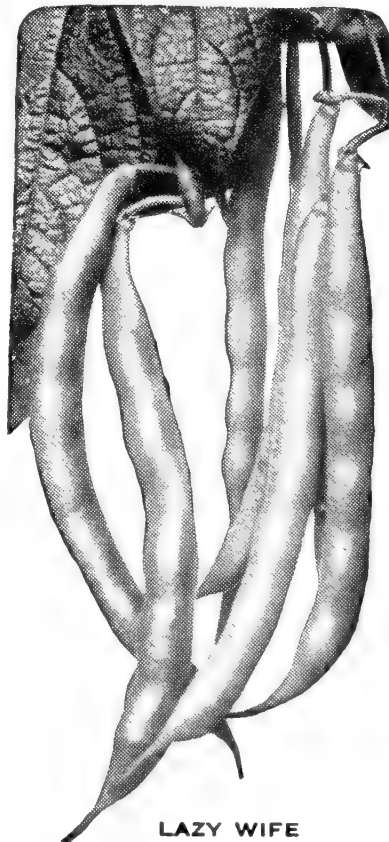
**SPECKLED.** 65 Days. Very prolific and hardy. Plant resembles Henderson's.

## WAX BUSH

**GOLDEN WAX.** 48 Days. 4½-in. thick creamy pods, stringless.

**KENTUCKY WONDER WAX (Pole).** 68 Days. 8-in. large thick creamy pods, stringless. Lb., 50c.

**PENCIL POD WAX.** 58 Days. 6½-in. round curved yellow pods, stringless.



LAZY WIFE

★ Have Beets  
All Winter

# ★ BEETS ★

★ Star Brand ★



DETROIT DARK RED

## MANGEL WURZEL and SUGAR BEETS

Pkt.	Oz.
5c	15c

Sugar Beets and Mangels are of great value for stock feeding, because of the improved health and condition of the animals, increased flow and quality of milk, and because of the saving in fodder. The yield is enormous, and the cost of growing is trifling. Grow a patch of them for winter feed. They are also excellent for poultry.

**LONG RED MAMMOTH** (Norbiton Giant). Attains enormous size; producing thirty to fifty tons to the acre. Root nearly cylindrical in shape, light red, growing well above ground; flesh white and rose colored.

**GOLDEN TANKARD**. Roots large, nearly cylindrical in shape, narrowing abruptly at both ends; skin deep orange-yellow; flesh zoned yellow and white; sweet and productive.

**VILMORIN'S IMPROVED SUGAR**. An improvement on the White French Sugar; used extensively for making beet sugar.

## BEETS ALL WINTER

Late sown Beets may readily be kept for winter use, if packed in a slightly moist soil or sand in a cool cellar. We recommend Detroit Dark Red for this purpose.

## CHINESE CELERY or CABBAGE

Pe Tsai—Chihli

**CULTURE**—About 65 days. Sow last half of July or first of August for best results in this section. When matured this plant resembles cos lettuce more than cabbage. Used in salads or may be cooked like cabbage or asparagus. Plants should be banked as they grow, or the leaves tied up over the center to produce celery-like form.

**CHINESE CABBAGE** (Wong Bok). 80 Days. The heads of this variety are shorter and broader than Pe Tsai, the incurving leaves producing a tighter, more compact head.

★ *Special* ★  
All Prices Subject to  
Change Without Notice

## TABLE BEETS

Pkt.	Oz.
5c	15c

**CULTURE**—Beets are sown where crop is to grow, in open ground, as soon as spring frosts are over, 1-inch deep in drills 12 to 15 inches apart, for convenience in hoeing; and young plants are thinned out, with a greater or less space between them, usually about 4 inches, according to size of variety grown. The thinnings from crop make excellent greens. They thrive in well enriched, moist soil, with plenty of sunshine. Growth will be greatly stimulated with a slight application of Nitrate of Soda.

50-55 DAYS

**EARLY WONDER**. Roots uniform, nearly globe shaped, with small top, skin dark red, flesh deep blood red. Popular with market gardeners for early or late planting.

**DETROIT DARK RED**. One of the very best sorts for home or market garden and for canning purposes. Roots uniformly smooth, of medium size, and globe shaped; skin dark red, flesh solid vermilion red.

**EARLY BLOOD TURNIP, IMPROVED**. The old standard table beet; roots nearly round or slightly flattened, bright red, zoned and of good quality. Not so early as Detroit, and with a larger, coarser top.

**CROSBY'S EGYPTIAN**. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shaped, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender.

**EDMAND'S BLOOD TURNIP**. A second early sort, with short tops; roots nearly round, dark red; flesh purplish red with little zoning; a good keeper.

## CABBAGE

Pkt.	Oz.
10c	30c

**CULTURE**—One ounce will produce about 2,000 plants; 10,890 plants will plant an acre of early cabbage; and 7,260 plants for an acre of late. Three ounces of seed will plant an acre of early and five ounces an acre of late cabbage. For early cabbage, sow seed in hotbeds in January or February. Transplant as early as possible to the open ground about two feet apart each way. For late cabbage, sow seed in the open ground in May and transplant about July 1 in rows 2½ feet each way.

**GOLDEN ACRE**. 66 Days. The earliest of the round headed cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact; heads of medium size, round as a ball, hard, solid and very uniform.

**COPENHAGEN MARKET**. 70 Days. Very fine, nearly as early as Jersey Wakefield; stem short, heads large, round and solid, with few outer leaves of an upright growth.

**ALL SEASONS**. 85 Days. Heads large, round and very deep; can be planted for early or late crop; a splendid keeper; in season a late second early, coming in with Early Flat Dutch; a favorite with kraut manufacturers.

**EARLY JERSEY WAKEFIELD**. 65 Days. The most widely known and popular extra early variety; heads are broad cone shaped and very solid. Our stock is very dwarf, compact and extremely early.

**CHARLESTON LARGE WAKEFIELD**. 75 Days. About one week later than Early Jersey Wakefield, but the conical heads are fully one-half larger.

**LATE FLAT DUTCH**. 95 Days. A justly popular and esteemed variety; extensively cultivated for market and family use. Heads large, round, flattened and very firm; has a medium stem and is very hardy.

**EARLY FLAT DUTCH**. 70 Days. Earlier and heads somewhat smaller than Late Flat Dutch; a good short stemmed second early.

**RED ROCK**. 110 Days. The largest and surest heading red cabbage; more deeply colored at the heart than Red Dutch; medium to long stem.



LATE FLAT DUTCH

## CARROTS

Pkt.	Oz.
5c	20c

**CULTURE**—Plant seed one-half inch deep in loose, well prepared soil, in rows 16 inches apart. Thin 2 to 4 inches in row. Plant from early spring to mid-June.

**DANVER'S HALF LONG**. 75 Days. The best known second early, half-long sort; roots 6 to 8 inches long, tapering to a blunt point; flesh deep orange, tender and good quality.

**CHANTENAY HALF LONG** (The Model). 72 Days. Excellent medium early half-long stump rooted variety; roots about 6 inches long, very thick, smooth and of a deep orange-red color.

**IMPROVED LONG ORANGE**. 88 Days. An excellent intermediate season, standard sort; roots 12 inches long, about 3 inches broad at the crown, tapering regularly to a point; deep orange color.

**NEW BUNCHING**. Tops short, roots are 1¼ to 1½ by 8 inches in size, almost cylindrical, rounded shoulders, and are well stumped. Developed for market gardeners as a bunching carrot. Good shipper.

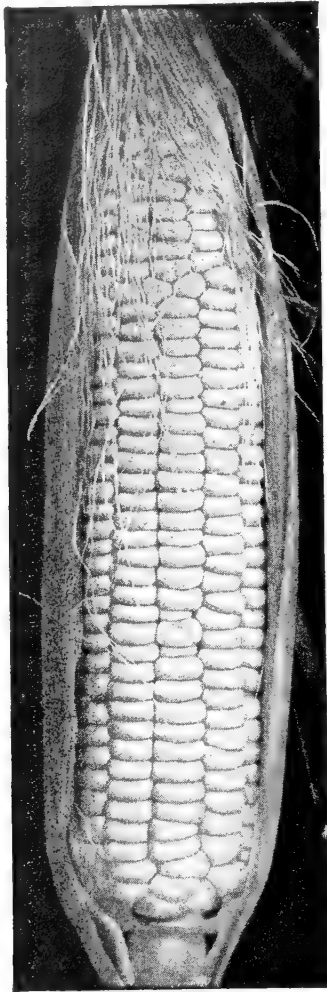


Danver's Half Long



★ **Star  
Brand** ★

# SWEET CORN

**FEED WITH  
VIGORO**  
COMPLETE PLANT FOOD**Golden Bantam**

## CAULIFLOWER

**FINE DANISH GROWN STOCK**  
(1 oz. of seed will produce 3,000 plants)  
Pkt., 15c

**CULTURE**—Sow the seed in January in hotbeds, flats or pots. When plants are large enough transplant 3 inches apart. When the ground is warm transplant in the garden 2½ feet apart. Water freely in dry weather. A second sowing of early varieties can be made in May or June for fall crop.

**EARLY SNOWBALL.** The best variety for general use. Of dwarf habit, and produces fine, large, white heads in a very short time. Always tender and sweet.

**DANISH DRY WEATHER.** A new strain developed in Denmark to stand hot, dry weather. It matures later than the Snowball, producing large, solid, pure white heads of excellent quality.

**Early Snowball**

## SWEET CORN

**CULTURE**—½-lb. will plant 100 hills. Sweet Corn varies greatly in hardness, earliness, size and sweetness. The early sorts grow only 3 to 5 feet high and may be planted when the trees are starting out in leaf, in rows 3 feet apart, making the hills about 1 ft. apart. The later and sweeter varieties are more tender and should not be planted until the trees are in full leaf or the seed will rot in the ground. Plant garden corn in rows 3 feet apart, making the hills 18 inches apart in the rows. Apply 2 lbs. (1 quart) of Vigoro for each 50 feet of row, mixing it thoroughly with soil before planting seeds.

**STOWELL'S EVERGREEN.** 105 Days. The standard and best sweet corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep, sweet grain. Pkt., 10c; lb., 35c.

**STOWELL'S EVERGREEN HYBRID.** 86 Days. Is the finest type hybrid we have ever seen. It is outstanding for its productiveness, drought resistance and uniform strong vigorous growth. Pkt., 15c; lb., 50c.

**COUNTRY GENTLEMAN (Shoe Peg).** 93 Days. An especially fine quality corn. Ears 7 to 8 inches long, cob small, white and densely covered with long, slender, white grains, without row formation. Pkt., 10c; lb., 35c.

**COUNTRY GENTLEMAN HYBRID.** 90 Days. Same season as Country Gentleman but better yielder in poor years. Pkt., 15c; lb., 50c.

**GOLDEN COUNTRY GENTLEMAN.** 90 Days. By crossing Country Gentleman and Golden Bantam, this late variety was produced, with the flavor of Bantam and the size and kernel of Country Gentleman. An excellent late yellow. Pkt., 10c; lb., 35c.

**GOLDEN BANTAM.** 85 Days. Early, golden yellow and of the finest quality. Ears 8 rowed and 6 to 7 inches long. Pkt., 10c; lb., 35c.

**ADAM'S EARLY.** 90 Days. Not a sugar corn, but largely grown for early use; hardy, standing early planting and the thick, hard husks preventing entrance of the corn worms. Ears 7 to 8 inches long, 12-rowed. Pkt., 10c; lb., 35c.

**GOLDEN SUNSHINE.** 80 Days. Of the Golden Bantam type but a week to 10 days earlier. Ears 12-rowed, kernels broad, yellow and sweet. Pkt., 10c; lb., 35c.

**TRUCKER'S FAVORITE.** Best roasting ear; not a true Sugar Corn. Stalks about 8 ft. tall, ears are of a medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Pkt., 10c; lb., 35c.

**GOLDEN CROSS.** Here is a fine new variety that is an improvement in every way over the ordinary Golden Bantam. A week later than Golden Bantam; grows 4½ to 5 feet tall. Ears are larger and longer, and have 10 to 14 or 16 rows of tender, rich, full-flavored yellow kernels, somewhat lighter than regular Bantam. Produces almost twice the yield of Golden Bantam and in every way is a wonderful new Sweet Corn. Pkt., 15c; lb., 50c.

## CELERY

Pkt. 15c      Oz. 50c

**CULTURE**—Sow in beds in February or March and keep them well watered. Transplant to moist, mucky soil; 6 inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top; 1 ounce of seed produces 2,000 plants.

**GOLDEN SELF BLANCHING DWARF.** 118 Days. This sort is without doubt the finest early celery in cultivation. Handsome golden yellow color.

**GOLDEN PLUME or WONDERFUL.** 112 Days. Resembles Golden Self Blanching, somewhat earlier, larger and more disease resistant than other yellow celeries.

**IMPROVED WHITE PLUME.** 112 Days. A very early, handsome variety. A popular sort for first early market.

**GIANT PASCAL.** 135 Days. A compact, vigorous, productive variety and one of the best for winter use.

## CANADIAN SWEET CORN

This is a local grown corn produced from seed which originally came from Canada and known locally as Canadian Sweet Corn. A white grain sweet corn. Plant in rows at least 30 inches apart each way, two or three kernels to hill. Do not sucker as it stools out, making 4 to 12 stalks to each hill. Plant at least six rows; if only a small plot of ground, make them short. Save seed from the center rows. We have a number of very favorable reports on this corn. At least try a small plot. Lb., 50c.

## SWISS CHARD

**LUCULLUS.** An improved type of Chard. Of more upright growth than the Silver variety; leaves yellowish-green, fairly crumpled, mid-rib and veins white; stalks thick, broad and flat and as large as rhubarb. Pkt., 5c; oz., 15c; ¼ lb., 50c.

## CHIVES

Used for seasoning; has strong onion flavor. Very early, lives forever. Clump of roots, 15c each; \$1.00 per dozen. By mail, 10c a dozen extra.

## CHICORY

**LARGE ROOTED or COFFEE.** Sow in drills. Roots used in adulterating coffee when dried, roasted and ground. Pkt., 15c; oz., 20c.

## COLLARDS

Pkt., 5c; ¼ lb., 30c.

Plant two to three feet high, forming a cluster of tender leaves at the top of its rather long stem.

## CRESS

**CURLED or PEPPER GRASS.** Very hardy, fast growing annual which produces a good supply of attractive, finely curled dark green foliage for garnishing and of a pleasant pungent flavor. Pkt., 10c.

**WATER CRESS.** 50 Days. Will only thrive well when the roots are submerged in water; grows best along banks of small running streams. Pkt., 10c.

**Black Beauty Eggplant**



★ For Pickling  
and Slicing

# ★ CUCUMBERS ★

★ Star  
Brand ★

## EGGPLANT

(1 oz. will produce 1,500 plants)

Pkt.	Oz.	1/4 lb.
10c	40c	\$1.25

**CULTURE**—Plant requires continuous warm weather for best results. The seed germinates slowly and should be started in a hotbed. The plants may be set out in the open ground when 2 inches tall if continued warm weather is in prospect. Space the plants 2 1/2 to 3 feet apart. Young plants should be shaded from hot sun.

**LARGE NEW YORK PURPLE IMPROVED.** The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits.

**BLACK BEAUTY.** The earliest of all large-fruited Eggplant, ten days to two weeks earlier than the New York Purple. The color is a rich shiny purplish black. It is entirely free from spines.

## ENDIVE

**CULTURE**—Sow in August in shallow drills, twelve to fifteen inches apart, and thin to one foot in drills. When fully grown tie over the outer leaves of a few plants every week or ten days to blanch.

	Pkt.	Oz.
Green Curled Mammoth.....	\$0.05	\$0.20
Ever-White Mammoth.....	.05	.20

## GARLIC

**FOR SEED.** Thrives best in light, well-enriched soil. Bulbs should be planted in the fall 6 to 8 inches apart. Cultivate and store the same as onions. Much valued for flavoring soups, stews, etc. Fine bulbs. 1/4 lb., 15c; lb., 50c.

## KALE or BORECOLE

**DWARF GREEN.** Sow in autumn for sprouts of green; desirable in every garden. Height 8 inches. Pkt., 10c; oz., 15c.

**TALL GREEN SCOTCH.** Pkt., 10c; oz., 15c.

## KOHL-RABI

Kohl-rabi is grown for its turnip-shaped bulb, which is formed above ground. The bulbs should be used while young and tender. Set plants 8 inches apart.

**EARLIEST WHITE VIENNA.** Greenish white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality.

**EARLIEST PURPLE VIENNA.** Same in every respect as earliest White Vienna, except in the outside color.

Pkt., 10c; oz., 30c.

## MUSTARD

35-40 Days

Pkt.	Oz.
5c	10c

**CULTURE**—Sow the seed in drills early in the spring and at frequent intervals throughout the summer to secure a constant supply of fresh greens. Mustard is hardy and is easily grown. One ounce will sow 50 feet of row.

**FORDHOOK FANCY (Ostrich Plume).** A handsome, vigorous growing, mild variety, standing a long time before going to seed; leaves bright green, intensely curled and fringed on the edges; fine for salads and garnishings.

**SOUTHERN GIANT CURLED.** Plant vigorous and hardy, of upright, spreading growth; leaves 5 inches long by 3 inches wide, light green, tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South.

**MUSTARD SPINACH (Tendergreen).** An oriental type of mustard greens sold in the South under many confusing names. A desirable quick growing, tender variety, with long, broad, fairly smooth leaves and white midribs; slow to seed.

**WHITE LONDON.** Plant of rapid, upright growth, soon going to seed; leaves rather small and smooth, deeply cut or divided; color deep green; seed large, light yellow.

## CUCUMBERS

Pkt.	Oz.
5c	20c

Do not plant until soil becomes thoroughly warm. Cover seed 1/2-inch, plant in hills 3 feet apart, rows 5 feet, 6 to 8 seeds, thin to 3 or 4. 1 oz. will plant about 100 hills. 2 lbs. to acre. Apply one level tablespoonful of Vigoro to each hill, mixing it thoroughly with soil before planting seeds.

**SNOW'S PERFECTED PICKLE.** 52 Days. The most symmetrical, best formed and productive pickling sort; early, small, square ended and deep green.

**LONG GREEN, IMPROVED.** 70 Days. A standard late, well-known table sort; 12 to 14 inches long, slender, more or less warted, tapering towards the stem end; color dark green, flesh white and firm.

**WHITE SPINE, IMPROVED EARLY (Arlington).** 65 Days. One of the very earliest and best known of the White Spines; a short square ended, rather three-cornered type; very productive; fine for slicing or pickles; medium green color.

**EARLY FORTUNE.** 65 Days. The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance.

**EARLY FRAME or SHORT GREEN.** 56 Days. Vigorous and productive; medium in size and earliness; good for pickling and slicing; fruit light green and is inclined to be three-cornered rather than round.

**WHITE WONDER.** 60 Days. Fruit, produced in clusters, is symmetrical, short, blocky and rounded at both ends; color ivory-white from time of forming until maturity.

**GHERKIN.** 50 Days. Grown exclusively for pickles; fruit very small, oval and covered with spines; color light green.

## LETTUCE

1/2 Ounce to 100 Feet Drill.

Pkt., 5c; Oz., 20c.

**CULTURE**—For an early crop sow under glass in February and transplant on a well prepared bed, in some sheltered corner, in April. For successive crops sow in beds of well pulverized soil in March and at intervals of about a fortnight until the end of May.

**BIBB.** 57 Days. For forcing and shipping. Leaves smooth, dark green, bleaching to a rich yellow and of excellent quality.

**EARLY CURLED SIMPSON.** 50 Days. A large, loose-leaved sort. Leaves broad, crumpled, and well frilled at the edges. Color, light green.

**BLACK SEEDED SIMPSON.** 50 Days. A popular loose-leaved sort of excellent quality. A fine early home garden sort. Leaves broad, blistered and crumpled.

**GRAND RAPIDS FORCING.** 50 Days. The favorite loose-leaf forcing sort and an excellent outdoor sort. Large, beautiful leaves, very crisp and tender.

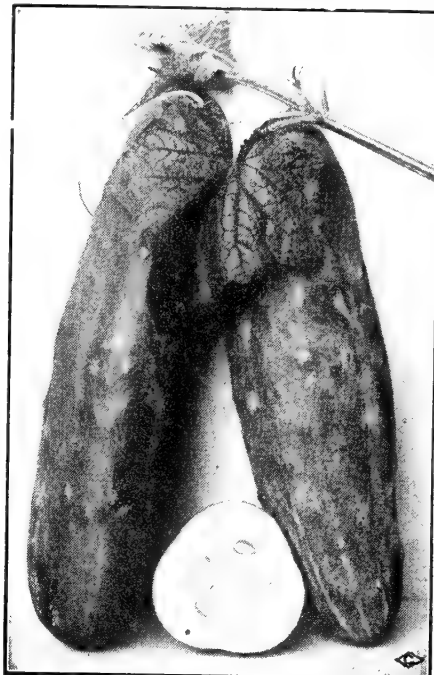
**BIG BOSTON.** 75 Days. Heads large and compact. Color, light green, slightly tinged reddish brown. Heart greenish white tinged with yellow.

**CHICKEN LETTUCE.** 48 Days. produces a quantity of leaves for chicken or rabbit feed. When cut it begins growing again at once. Hardy.

**NEW YORK (Wonderful).** 80 Days. A very large, late, globular heading variety; leaves broad of thick texture, fairly blistered and crumpled, and the borders frilled; color clear dark green; quality good. Pkt., 10c; oz., 20c.

**ICEBERG.** All of the Crisphead Lettuces are good in warm weather. Iceberg is the earliest of the class and makes very large solid heads of crisp, incurved, light green leaves.

**IMPROVED HANSON.** Loose heads of crumpled light green leaves. A reliable summer lettuce for home gardens.



Early White Spine Cucumber

**LONGFELLOW.** 72 Days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface, retain the color remarkably long after picking; white spined. 12 to 14 inches long; 2 1/2 to 2 3/4 inches thick. Straight, well filled at ends; very few seeds.

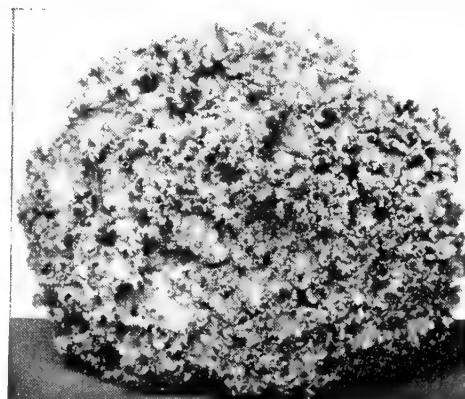
**STRAIGHT 8.** Fruits symmetrical, cylindrical, about 8x1 1/2 inches, well rounded at the ends. Color deep green. Ideal for shipping and home use.

## LEEK

**GIANT FLAG.** Similar to onions in flavor, but milder and preferred by many. Excellent for soups, stewed or creamed. Edible parts 6 to 8 inches long, 3 inches in diameter. Pkt., 20c; oz., 50c.

TREAT BEFORE PLANTING WITH  
**SEMESAN**  
FOR DISEASE PROTECTION

FREE with each order of \$1.00 or over of Seeds taken from this catalog, 1 pkt. each of Golden Yellow Zinnia and Dwarf Golden Yellow Marigold seeds.



Leaf Lettuce

★ Star Brand  
Garden Seeds

## ★ MELONS ★

★ For Home Use  
and Market . . . ★

## WATERMELONS

Pkt.  
5cOz.  
15c

**CULTURE**—Treat as for muskmelons, but give more room, 10 to 12 feet apart each way. Watermelons require a fertile soil and respond well to Vigoro. Mix one level tablespoonful of Vigoro thoroughly with soil in each hill before planting seeds. When melons are the size of jelly beans apply one level tablespoonful of Vigoro around each plant about 6 inches from stems, keeping it off leaves and stems. 1 oz. of seed plants 20 hills; 4 lbs. per acre. Plant early in May or for later use, in June.

**DIXIE QUEEN.** A leader for home gardens, local markets, and for shipping. Fruits nearly round with light and dark green stripes; thin, tough rind; flesh deep scarlet, crisp and sweet. Medium to large size, and very uniform. The few seeds are white.

**IRISH GRAY.** Free from hard centers and strings, very firm, and does not break when sliced. Matures in about 90 days. Greenish gray color; does not sunburn.

**TOM WATSON.** Immensely popular because there is delicious sweetness. The flesh is rich red, crisp and tenderly melting. Reaches the size of 24 to 28 inches in length, and 12 to 14 inches in diameter. It has a mottled, dark green rind, thin, but tough enough to stand shipping.

**HALBERT HONEY.** The melons are oblong in form, skin is smooth, of dark green color, thin, and rather brittle; on this account the melons do not stand shipping well. But for home use, they are excellent.

**KLECKLEY SWEET.** Well named, for the flesh of this melon is sweet as honey. The rind is dark green, and only about one-half inch thick. Seeds are white, lying close to the rind, leaving a large solid heart.

**SWEETHEART.** Vine vigorous and productive. Fruit large, rounded or slightly oblong; skin pale green, with bands of deeper color, flesh red, melting and very sweet.

**STONE MOUNTAIN.** A very fine melon, especially popular in the southern states, where the fruits frequently weigh 50 to 80 pounds. The flesh is solid, bright scarlet in color, has few seeds, and is very sweet.

**BLACK DIAMOND or CANNONBALL.** The largest melon of good quality. Good for shipping and for home gardens. Dark green, solid pink flesh. Vigorous and productive.

**GOLDEN HONEY.** The best of the yellow fleshed melons. It is oblong in shape and the average weight is 20 pounds. The rind is dark green with irregular stripes of darker green. Edible in 90 days.

**CITRON.** For preserving. Fruit very similar to the watermelon, but the flesh is used exclusively for sauces, pies, and preserving. The flesh is white, will keep solid all winter, and has a delicious flavor after it is cooked.

For dusting  
melons and  
cucumbers  
use  
**CRYOLITE**

## MUSKMELONS

Pkt.  
5cOz.  
20c¼ lb.  
50c

**CULTURE**—Muskmelons grow best in light soil. Plant in hills about 6 feet apart after mixing one level tablespoonful of Vigoro thoroughly with soil in each hill. Sow about a dozen seeds in every hill early in May, and when started, thin out to 3 or 4 of the strongest plants.

**ROCKY FORD.** 95 Days. This is the most popular of the basket melons; oval, light ribbed, densely covered with coarse green netting, flesh thick, green and sweet, highly flavored.

**HEARTS OF GOLD.** 90 Days. Fruit round, with tendency to heart shape, flesh very thick, deep salmon color and of high quality.

**HACKENSACK.** 95 Days. Fruit large, round, flattened at the ends, deeply and irregularly ribbed, coarsely and heavily netted; flesh green, thick and of fine quality.

**BANANA CANTALOUPE.** 100 Days. Shaped somewhat as name indicates; grows about 2½ feet long; flesh deep salmon color.

**HALE'S BEST.** 85 Days. Early; are oval in shape, about 6 in. long by 4½ in. in diameter, with heavy netting and fairly distinct ribbing. Flesh exceptionally thick and deep salmon in color.

**LONG YELLOW CANTALOUPE.** 95 Days. Large, long, oval and deeply ribbed; flesh light salmon, very thick and sweet.

**HONEY DEW.** 110 Days. Fruit large ovoid in form, about 10 inches long and 8 inches in diameter; surface smooth and hard creamy white in color turning to a lemon tint when fully ripe; flesh light emerald green, very thick, ripening to the rind, very tender and melting, with an extreme sweetness found in no other melon.

## Use STAR BRAND SEEDS



The War Against Hunger  
Is Not Over.

## OKRA or GUMBO

Pkt.  
5cOz.  
10c¼ lb.  
30c

**CULTURE**—Sow after soil is warm in rows 3 feet apart, 18 inches apart in the row. The pods are used for soups and stews. The pods should be gathered while still young and tender, before the woody fiber develops.

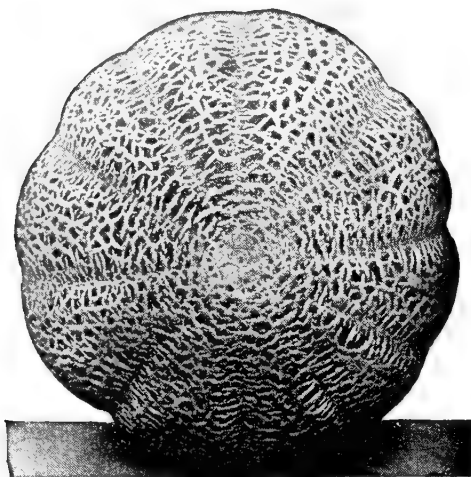
**CLEMSON SPINELESS.** 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod.

**DWARF GREEN PROLIFIC.** 50 days. 2½ to 3 ft. tall. A dwarf, compact plant with many branches. Pods long, deep green, slightly corrugated and very thickly set on the plant; fine quality. Very productive.

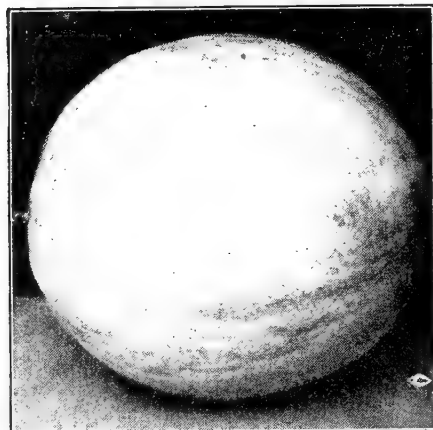
**LONG GREEN.** Very early and productive. Plant 3 feet high; pods bright green, 7½ inches long, straight, slender, pointed and slightly corrugated; a desirable market variety.

**WHITE VELVET.** Grows 3½ feet high; is early and productive. Pods are creamy white, long, smooth, slender, and tender.

FEED WITH  
**VIGORO**  
COMPLETE PLANT FOOD



Hale's Best Cantaloupe

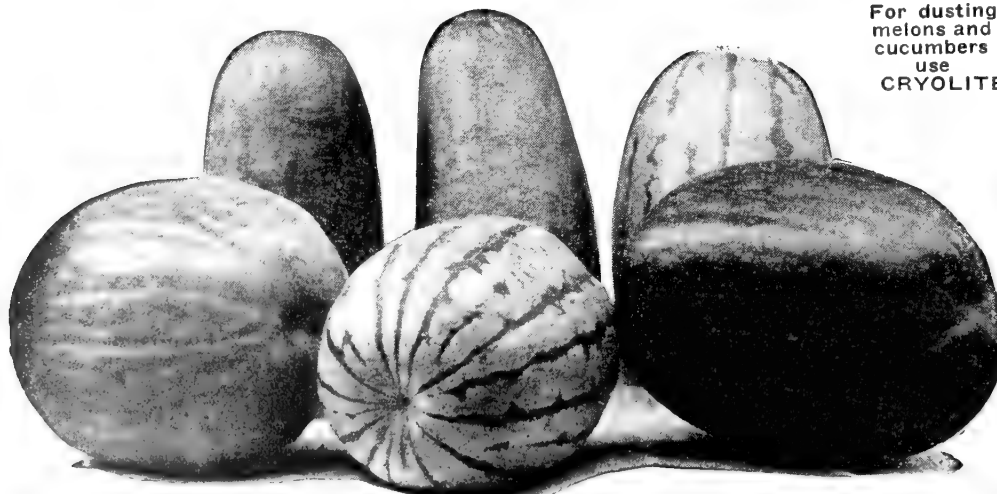


Honey Dew Melon

## BLACKLEE

### The New Ideal Garden Watermelon

A variety that is wilt-resistant, oval shaped and smooth. Flesh brilliant red and seeds black. Cuts solid, of fine texture, slightly crisp, very sweet. Its dark green colored rind is very hard and tough, making it a good keeper, well suited for home use. 30 to 35 pounds. Pkt., 10c; oz., 25c; lb., \$2.50.



★ For Salads, Stuffing,  
Pickling Seasoning

# ★ PEPPERS ★

★ Star Brand  
Seeds . . . ★

## PARSLEY

1 Oz. to 100 Feet Drill.

Pkt.	Oz.	¼ lb.
5c	15c	50c

Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing; also for ornamental border in the flower garden; succeeds best in rich, mellow soil. As the seeds germinate very slowly, three or four weeks sometimes elapse before it makes its appearance. It should be sown early in the spring.

**CHAMPION MOSS CURLED.** This is a vigorous, compact growing variety, excellent for garnishing and flavoring, and a handsome decorative plant. Leaves very finely cut and so closely crisped or curled as to resemble bunches of moss.

**EXTRA TRIPLE CURLED.** Very finely curled variety of dark green color. One of the best varieties for all purposes.

**DOUBLE CURLED.** An excellent variety for garnishing meats.

## PARSNIPS

**CULTURE**—Sow the seed thickly in rows 1½ to 2 feet apart as early in the spring as the ground can be worked. Give frequent and thorough cultivation. When the plants are well up thin 4 to 6 inches in the row. Seed can be sown from February to May.

**LARGE SUGAR or HOLLOW CROWN.** The market gardener's favorite. Considered the best for general culture. Pkt., 5c; oz., 15c; ¼ lb., 50c; postpaid.

## PEPPERS

1 Oz. Will Produce About 2,000 Plants.

Pkt.	Oz.
10c	45c

**CULTURE**—Sow in hotbeds in March or April; transplant in open ground when all danger from frost is over, in rows 3 feet apart and 2 feet apart in row.

**LARGE BELL or BULL NOSE.** 120 Days. Large, mild, thick-fleshed variety. One of the best for stuffed pickles.

**CHINESE GIANT.** 130 Days. Plant of short, stocky growth, with light green foliage; fruits pendent, thick, blocky and square ended, 4 to 5 inches in diameter and of equal length; color radiant glossy scarlet.

**CALIFORNIA WONDER.** 120 Days. Resembles Chinese Giant in the large size and "blocky" form of its fruits, but having an extremely thick flesh not possessed by that variety. Fruit upright, crimson, measuring 4½ in. in length by 4 in. in diameter, mild and sweet.

**RUBY GIANT.** A cross between the Ruby King and the Chinese Giant, having the good qualities of both. The peppers are of very large size and so sweet and mild that they can be eaten raw. The flesh is very thick and when ripe is of a deep red color; matures early.

**RUBY KING.** 110 Days. Very large, sweet and solid, bright scarlet.

**PIMENTO.** 100 Days. A very thick-fleshed, heart-shaped, smooth, mild, crimson variety, much used for salads; fruit pendent; 3½ in. long by 2½ in., greatest diameter; rather late in season.

**GOLDEN QUEEN.** 120 Days. One of the largest of the sweet, yellow peppers; resembles Ruby King in size, form and mild flavor, but is a bright, golden-yellow color.

## POP CORN (Shelled)

**JAPANESE HULLESS.** A dwarf growing corn. Heavy yielder. Pkt., 10c, Postpaid.

**S. AMERICAN.** Fine yellow variety. Pkt., 10c. Postpaid.

**HYBRID YELLOW POP CORN.** Heavy yielder. Pkt., 15c.

(Write for prices on larger quantities.)

## PUMPKINS

Pkt., 5c

**CULTURE**—After danger of frost is over plant the seed in hills 8 to 10 feet apart each way, dropping about a dozen seeds in a hill. The soil should be made as rich as possible. If planted with corn, 2 or 3 seeds a rod apart each way will be sufficient. When danger from bugs is past, thin to 3 plants to a hill. Use 3 to 4 pounds of seed per acre; ¼ pound for 75 hills.

**LARGE CHEESE or KENTUCKY FIELD.** Large, round flattened fruits, much ribbed and creamy buff in color; flesh yellow, very deep and of fine quality; one of the best canning sorts.

**KING OF THE MAMMOTH.** The giant among pumpkins. Often weigh over 100 pounds. Salmon skin. Flesh bright yellow, fine-grained and of good quality.

**CUSHAW, STRIPED.** Of the crookneck type with mottled green and white stripes; fruit will weigh from 10 to 15 pounds; flesh yellow, very solid and fine grained.

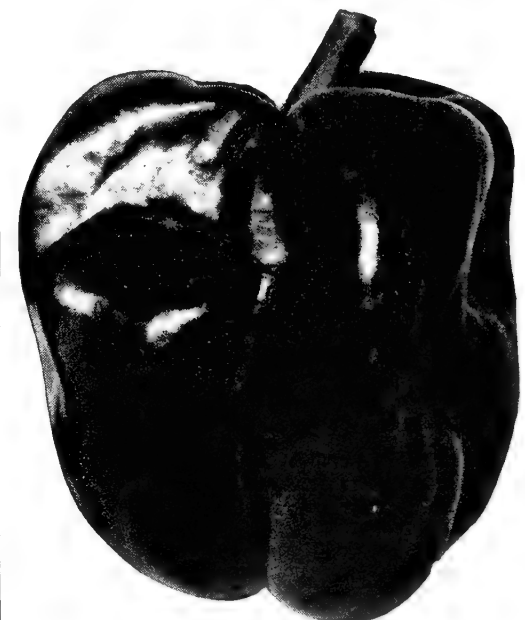
**CUSHAW, WHITE (Jonathan).** A popular crooknecked variety with a hard, creamy-white shell; fruits two feet in length, with long, solid, meaty necks; fine quality.

**TENNESSEE SWEET POTATO.** Pear-shaped, skin and flesh a creamy white. Flesh thick and when cooked resembles sweet potatoes.

**SWEET or SUGAR (New England Pie).** Fruits small, round, flattened at the ends, and slightly ribbed; skin and flesh deep orange-yellow; flesh very thick and of high quality.



Small Sugar Pumpkin



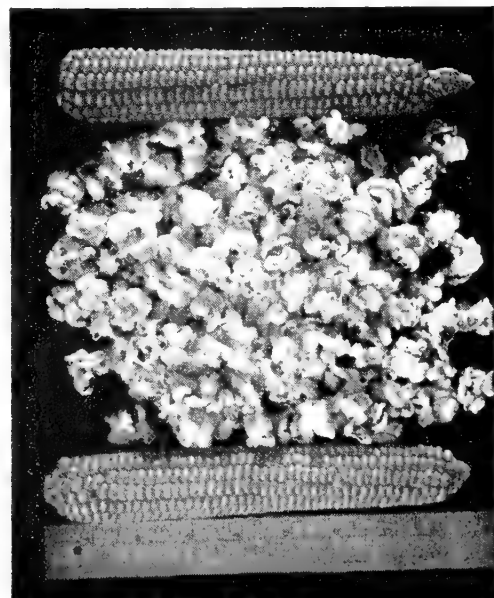
Ruby Giant Pepper

## REGARDING NUMBER OF DAYS TO MATURITY

The number of days required by any particular variety to produce garden stuff ready for table use varies from year to year and depends upon growing and seasonal conditions. In our description of most varieties we are giving the average number of days from seed to edible stage. Time given for broccoli, cabbage, cauliflower, pepper and tomato is days from setting plants to marketing fruits. Figures are based on growing conditions here and are meant only for convenience in comparing earliness of varieties.



SATISFACTORY  
SEED SERVICE



South American



★ **Star Brand**  
**Vegetables**★ **ONIONS** ★★ **A Healthful Food . . .**  
**Eaten Cooked or Raw** ★

Prizetaker

**ONION SETS**

Tops, 28 lbs. per bu.; bottoms, 32 lbs. per bu. It takes 8 bu. to set an acre.

Price on application for the following varieties:

RED WETHERSFIELD  
WHITE SILVERSKIN  
YELLOW GLOBE  
WINTER TOPS

**ARASAN**

An organic seed disinfectant and protectant, is offered for certain vegetable seeds and peanuts. Used as directed, will usually reduce seed decay and damping-off caused by surface seed-borne and soil-borne fungi and bacteria. 1 oz. pkg., 25c each.

**ONION SEED**

Pkt. 15c      Oz. 40c

**CULTURE**—Sow as early in the spring as ground can be worked, in drills 15 inches apart, covering one-inch deep. One ounce for 300 feet of drill; 4 to 5 pounds per acre. About 750 seeds to the packet.

**LARGE RED WETHERSFIELD.** 110 Days. One of the oldest and best known types of onion. A fine, large, rather flat sort of a deep purplish-red color; noted for its productiveness and keeping qualities; used largely in the production of onion sets.

**SOUTHPORT LARGE RED GLOBE.** 130 Days. The finest type and most popular of the red onions. The bulbs are distinctly globe-shaped with a small neck, and are excellent keepers; color a deep purplish-red.

**PRIZETAKER.** 100 Days. One of the largest onions grown and the mildest; is productive and a sure cropper; bulbs are globe-shaped and of a light straw color.

**YELLOW GLOBE DANVERS.** 110 Days. Bulbs medium large, round, yellow, firm and solid. Flesh white, with slight yellow tone.

**SOUTHPORT WHITE GLOBE.** 110 Days. Of the true Southport Globe form with a thin, delicate skin of purest paper whiteness; flesh is very crisp, fine-grained, snowy-white in color and exceedingly mild.

**RIVERSIDE SWEET SPANISH.** 98 Days. Nearly globular in form, resembling Prizetaker, but grows to golden yellow in color of skin; flesh white and very mild.

**WHITE PORTUGAL or SILVERSKIN.** 100 Days. A large, flat white onion of mild and pleasant flavor, hard and fine-grained.



Bermuda Onions Grown from Plants.

**CRYSTAL WAX.** 90 Days. Bulbs round, medium sized, solid, skin thin and delicate; flesh waxy white, fine grained, and mild.

**YELLOW or WHITE BERMUDA.** 88 Days. Medium sized, flat sort. Skin light straw color, thin and loose; flesh nearly white, coarse, sweet and mild.

**BERMUDA ONION PLANTS**

We can furnish the genuine Crystal White Wax and Yellow Bermuda. Ask for prices.

**PEANUTS**

This crop is naturally adapted to a light, sandy land. When properly cared for, it will yield a good profit as a market crop or as pasturage for hogs. Shell the seed before planting, and plant in rows 3 feet apart, hills 10 inches apart. Peanuts should be planted in May or June.

	Lb.	5 lbs.
Tennessee Red	\$.45	\$2.00
Virginia	.45	2.00
Spanish	.45	2.00
Jumbo	.45	2.00

Postpaid

**VEGETABLE SEEDS PLANTING GUIDE**

Vegetable	Average Number of Seed per Ounce	To Produce a Given No. of Plants	Amount Required for 100 Ft. of Drill	Amount Required Per Acre	Depth of Planting	Days of Maturity
Asparagus	1,000	1 oz. to 800	1 oz.	5 lbs.	1 in.	2 yrs.
Beans, Dwarf	100	.....	1 lb.	60 lbs.	1 in.	45 to 70
Beans, Pole	100	.....	½ lb.	30 lbs.	1 in.	63 to 74
Beets, Garden	1,750	.....	1 oz.	6 lbs.	1 in.	50 to 60
Beets, Mangel	1,200	.....	1 oz.	5 lbs.	5 lbs.	100 to 130
Brussels Sprouts	6,500	1 oz. to 5,000	¼ oz.	2 oz.	½ in.	100 to 120
Cabbage	5,000	1 oz. to 4,000	¼ oz.	4 oz.	½ in.	*62 to 105
Carrots	14,000	.....	½ oz.	2 lbs.	½ in.	60 to 85
Cauliflower	5,000	.....	¼ oz.	1 oz.	½ in.	*52 to 90
Celery	100,000	.....	¼ oz.	4 oz.	½ in.	120 to 150
Collards	5,000	.....	¼ oz.	4 oz.	½ in.	100 to 120
Corn, Sweet	125	.....	¼ lb.	12 lbs.	1 in.	76 to 110
Cucumbers	1,000	.....	½ oz.	2 lbs.	1 in.	52 to 72
Eggplant	4,000	1 oz. to 2,000	½ oz.	4 oz.	½ in.	100 to 150
Endive	13,500	.....	1 oz.	2 lbs.	½ in.	85 to 100
Kale	7,500	1 oz. to 5,000	¼ oz.	1 lb.	½ in.	55 to 125
Kohl-rabi	7,000	.....	¼ oz.	1 lb.	½ in.	55 to 60
Leek	8,000	.....	½ oz.	4 lbs.	½ in.	120 to 150
Lettuce	16,000	.....	½ oz.	3 lbs.	½ in.	61 to 82
Melon, Musk	1,200	.....	½ oz.	2 lbs.	1 in.	80 to 115
Melon, Water	225	.....	1 oz.	2 lbs.	1 in.	85 to 130
Mustard	18,000	.....	¼ oz.	1 lb.	¼ in.	40 to 80
Okra	425	.....	2 oz.	8 lbs.	1 in.	90 to 140
Onion	12,500	.....	1 oz.	4 lbs.	½ in.	125 to 150
Parsley	17,500	.....	¼ oz.	3 lbs.	½ in.	65 to 110
Parsnips	2,800	.....	½ oz.	3 lbs.	½ in.	125 to 150
Peas	50 to 150	.....	1 lb.	60 lbs.	1 in.	68 to 82
Peppers	4,000	1 oz. to 2,000	½ oz.	2 oz.	½ in.	*55 to 85
Pumpkins	100	.....	½ oz.	4 lbs.	1 in.	75 to 150
Radishes	5,000	.....	1 oz.	10 lbs.	½ in.	23 to 43
Salsify	4,500	.....	1 oz.	8 lbs.	½ in.	115 to 175
Spinach	3,000	.....	1 oz.	8 lbs.	1 in.	40 to 50
Squash, Summer	300	.....	½ oz.	4 lbs.	1 in.	65 to 70
Squash, Winter	125	.....	½ oz.	2 lbs.	1 in.	100 to 140
Tomatoes	7,500	1 oz. to 3,000	¼ oz.	1½ oz.	½ in.	*64 to 85
Turnips	10,000	.....	½ oz.	1 lb.	¼ in.	50 to 75

(\*This applies to date from transplanting to field.)

**NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES**

Dist. Apart	No. Plants
12 x 1 in.	522,720
12 x 3 in.	174,240
12 x 12 in.	43,560
16 x 1 in.	392,040
18 x 1 in.	348,480
18 x 3 in.	116,160
18 x 12 in.	29,040
18 x 18 in.	19,360
20 x 1 in.	313,635
20 x 20 in.	15,681
24 x 1 in.	261,360
24 x 18 in.	15,520
24 x 24 in.	10,890
30 x 1 in.	209,088
30 x 6 in.	34,848
30 x 12 in.	17,424
30 x 16 in.	13,068
30 x 20 in.	10,454
30 x 24 in.	8,712
30 x 30 in.	6,970
36 x 3 in.	58,080
36 x 12 in.	14,520
36 x 18 in.	9,680
36 x 24 in.	7,260
36 x 36 in.	4,840
42 x 12 in.	12,446
42 x 24 in.	6,223
42 x 36 in.	4,148
48 x 12 in.	10,890
48 x 18 in.	7,790
48 x 24 in.	5,445
48 x 30 in.	4,356
48 x 36 in.	3,630
48 x 48 in.	2,723
60 x 36 in.	2,901
60 x 48 in.	2,178

Approximate number of feet of row per acre at given distances:

Distance between rows	Feet of row
18 inches	29,010
24 inches	21,758
30 inches	17,427
36 inches	14,526
42 inches	12,439
48 inches	10,853



★ A Healthful Food  
the Year Around ★

# PEAS

★ Star Brand  
Vegetables ★

## GARDEN PEAS

Pkt.	Lb.
10c	35c

Sow Peas as early in the spring as the ground can be worked, in drills about 4 inches deep. The rows must not be nearer than 2 feet, except for the dwarf sorts. Those growing 3 feet high or more should not be nearer than 3 or 4 feet, and should have brush for their support. Avoid fresh manure and very rich soil, as they cause the vines to grow too rank. One pound will sow 40 feet of drill; 55 to 100 pounds for an acre, in drills 3 feet apart.

### EARLY SMOOTH VARIETY

**ALASKA.** 56 Days. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height 2½ feet. Foliage and pods light green; pods 2½ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity.

**FIRST and BEST.** Not quite as early as Alaska, but is prolific and hardy. Plant is 2½ feet high, producing medium sized pods well filled.

**AMERICAN WONDER.** 60 Days. One of the earliest of the green wrinkled sorts. Vine 10 to 14 inches high, dark green, fairly coarse. Very prolific. Pods of striking form, 2½ to 3 inches long, containing 5 to 8 tender sweet flavored peas. Dry seed, green, wrinkled.

**CHAMPION OF ENGLAND.** 78 Days. One of the richest, best flavored late peas; well known and popular. Height 4½ feet. Vine stout, deep green; pods, often in pairs, medium green, 3½ inches long, straight, nearly round and blunt ended, containing 8 light green peas; productive. Season following Telephone.

**GRADUS or PROSPERITY.** 62 Days. A standard, early large podded variety, very popular with market gardeners. Height 3 feet. Vine and foliage moderately heavy and medium green; pods medium green, 3½ in. long, semi-round, straight, slightly curved at the tip, and pointed, containing 6 to 8 large, very sweet, medium green peas; moderately productive and of high quality.

**MARROWFAT, LARGE WHITE.** 80 Days. An old time smooth, round, white seeded pea, growing five feet in height. While immensely productive the quality is below the average. Pods light green, 3 inches long.

**LITTLE GEM, PREMIUM.** 65 Days. An improved and more dwarf strain of McLean's Little Gem. Height 1½ feet. Foliage dark green; pods light green 3 in. long, round, square ended and well filled with 6 to 8 light green peas of good quality; very productive.

**LITTLE MARVEL.** 64 Days. An extra fine dwarf sweet pea. Pods somewhat larger than Nott's Excelsior and same season. A fine variety for either private or market garden. Height 18 in. Foliage and pods very deep green; pods 3 in. long, nearly round and square ended, containing 7 very dark green peas of high quality.

**NOTT'S EXCELSIOR.** 60 Days. A standard, extra early dwarf pea. Height 1½ feet. Foliage medium green, stout and heavy; pods light green, 3 inches long, round, straight and blunt ended, containing 6 light green peas of high quality; productive.

**TELEPHONE.** 76 Days. A standard, high quality, large podded pea. Height 4½ feet. Vine and foliage strong and heavy, medium green. Pods 4½ in. long, medium green, straight, broad and pointed, containing 8 large, light green peas; main crop, productive.

**THOMAS LAXTON.** 65 Days. A very popular gardener's variety. Height 3 feet; vine and foliage moderately stout, medium green; pods medium green; 3½ inches long, straight, nearly round and square ended, containing 7 medium dark green peas of superior quality. Compared with Gradus is a little earlier, more productive, but with a smaller, less broad pod.

## RADISHES

Pkt.	Oz.	¼ lb.
5c	10c	30c

**CULTURE**—To be tender and crisp radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the spring, sow at intervals of 10 days, in a light, rich, deeply-worked soil. One ounce will plant 50 feet; 8 to 10 pounds one acre.

**ICICLE.** The Finest White Radish. An ideal white radish; long, slender root, which remains crisp and mild until grown large. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession.

**CRIMSON GIANT.** 25 Days. Extremely large, but never pithy. One of the best for outdoor culture. Top is a little too large for a forcing sort; intermediate in season.

**EARLY SCARLET TURNIP.** 23 Days. A well known variety; very quick grower.

**EARLY SCARLET TURNIP, WHITE TIPPED (Rosy Gem).** 24 Days. Round, deep scarlet, shading to a white tip on the bottom; very early; used extensively both as a forcing and outdoor sort.

**FRENCH BREAKFAST.** 25 Days. Of oblong form, small and quick growing; color bright rose-scarlet, with small, white tip; good outdoors or under glass.

**LONG BRIGHTEST SCARLET.** The best long red radish. Is known for its beautiful vivid scarlet color and its earliness. White tap root.

**WHITE STRASBURG.** 39 Days. Popular with market gardeners for summer use. Roots about 5 inches long, 1½ inches thick at the shoulder, tapering and smooth. Skin and flesh white, crisp and slightly pungent. Continues in marketable condition longer than most varieties.

**WHITE VIENNA or LADY FINGER.** 30 Days. Similar to White Icicle, but more slender and several days later. Roots 5½ to 6½ inches long, ½-inch thick, sleek, tapering; skin white, with tinge of green on the sloping shoulder.

**VICK'S SCARLET GLOBE.** 22 Days. It is one of the very earliest of the forcing radishes and does equally well outside; roots are of fair size, globe-shaped and with a very small top; always crisp and tender; color a bright scarlet.

**SPARKLER.** 20 Days. Deep scarlet with a pure white tip. In shape it is nearly round. Owing to its attractive color, and its extreme earliness it has long been a favorite for home use and market. The radish is solid, crisp and sweet, very good quality.

## WINTER RADISHES

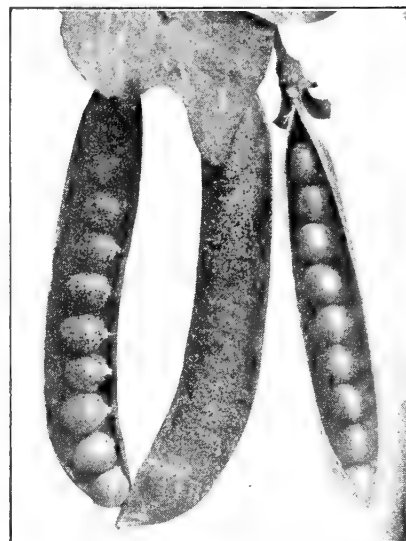
Sow in June and July.

**WHITE CHINESE or CELESTIAL.** A beautiful, large, white radish grown very extensively by the market gardeners for fall and winter trade. Root is white, cylindrical, very firm and mildly flavored.

**CALIFORNIA MAMMOTH WHITE.** 60 Days. An excellent fall variety. Roots 7 to 8 inches long, 2 inches thick; cylindrical, and thickest at lower end; leaves large, light green; flesh white, crisp and not pungent.

**LONG BLACK SPANISH.** 60 Days. A good keeping winter variety. Roots cylindrical, slightly tapered at tip, 7 to 10 inches long, 2 to 2½ inches in diameter; skin black and somewhat wrinkled; flesh white, solid and pungent.

**ROSE CHINA WINTER.** 52 Days. A popular, very distinct winter sort. Roots 4 to 6 inches long, 2 inches in diameter, cylindrical, but thicker at the lower end; blunt, smooth, bright rose-red in color; flesh white, very firm, and pungent.



Alaska Peas

For  
Peas, Beans, Sweet Peas,  
We Recommend



French Breakfast



★ **Star Brand** ★ **SQUASH** ★ **For Home Table . . . For Market Garden** ★

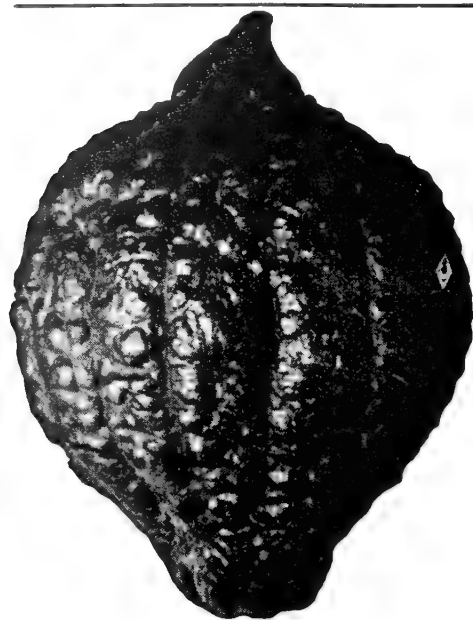
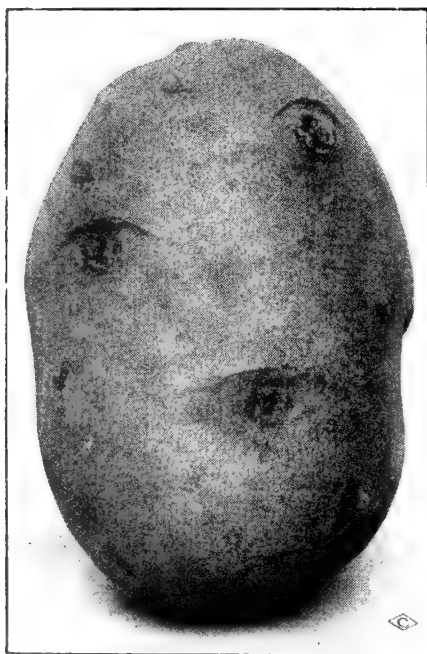


Table Queen



Seed Potato



Spinach, Bloomsdale

**RHUBARB or PIEPLANT**

Highly esteemed for pies, tarts, jelly and marmalade. Sow in drills 1 foot apart early in spring. In the fall or next spring transplant 3 feet apart in deeply dug, rich soil.

**MAMMOTH VICTORIA.** Largest, most productive variety. Large pkt., 10c; oz., 20c; 1/4 lb., 70c.

**RHUBARB ROOTS**

Set in spring, they will furnish leaf stalks the following season.

**VICTORIA.** Large roots, each, 25c; doz., \$2.50; postpaid.

**RUBY RED.** Solid red variety all the way through. Excellent for pies and sauce. Strong divisions, each, 75c, postpaid.

**SALSIFY or OYSTER PLANT**

Pkt.	Oz.
10c	25c

**CULTURE**—Sow early in drills 18 inches apart and cover firmly 1-inch deep; thin to 3 inches apart in the drills. One ounce for 60 feet of drill; 7 pounds to one acre.

**MAMMOTH SANDWICH ISLAND.** 90 Days. A very superior strain, producing smoother, larger and more vigorous roots; foliage stronger. Roots similar to a slim Parsnip. Often called "vegetable oyster."

**SEED SWEET POTATOES**

Owing to the perishable nature of Sweet Potatoes, our responsibility ceases upon delivery to railroad company and receipted for in good condition.

Write for prices and varieties available. Plants ready for shipment about May 1.

**SEED POTATOES****NORTHERN GROWN**

Plant 8 bu. per acre.

**SEED STOCK.**

Write for prices and varieties available.

**BARSPROUT****Sprout Inhibitor**

Amazing new chemical aid for keeping potatoes under normal temperatures without sprouting. For use by the farmer, home gardener and large scale potato distributor. Saving from shrinkage alone pays for the treatment, giving you a superior potato which cooks better, tastes better and keeps longer. 12-oz. sifter-top canister, \$1.00 each.

**SPINACH**

Pkt.	Oz.
5c	10c

We handle immense quantities of Spinach Seed for a critical market garden and truck farm trade. For a succession the seed may be sown early in April and again in May in drills 1 foot apart and 1-inch deep, properly thinning out when plants are an inch in the leaf. For the earliest spring crop, sow from first to middle of September, protecting the crop through the winter with a light covering of straw or leaves. One ounce for 100 feet of drill, 10 pounds for an acre of drills. Write for prices in large quantities.

**BLOOMSDALE LONG STANDING.** 39 Days. Nearly as early as the old strain and will stand two weeks longer before bolting to seed. Plants very uniform, leaves intensely crumpled and blistered, dark glossy green in color.

**KING OF DENMARK.** 46 Days. A fine long season Spinach, remaining longer than most varieties before bolting to seed. Plant vigorous and spreading; leaves large, rounded, fairly crumpled and blistered; dark green in color.

**NEW ZEALAND.** 70 Days. Entirely distinct from the true Spinach; plant tall and spreading with numerous side shoots; leaves medium green, rather small and pointed; grows well in hot weather and under adverse conditions.

**MUSTARD SPINACH (Tender Greens).** Large, thick-leaved variety from Japan, remaining tender both summer and winter. Popular in the South.

**SQUASH**

Pkt.	Oz.
5c	15c

**CULTURE**—Plant in hills, in well prepared ground, mixing plenty of well-rotted manure in each hill. Light soils are best suited for their growth. Plant six to eight seeds in each hill and thin out to three or four after they have made partial growth. Plant bush varieties from three to four feet apart each way, and the trailing sorts six to eight.

**DELICIOUS.** 115 Days. A fall and winter variety, medium size, top-shaped, dark green, flesh orange, very deep and delicious.

**TABLE QUEEN.** 58 Days. A squash fit for a queen. Cut in half and baked for twenty minutes, it is delicious. Wonderful producer. Fruits are from 6 to 8 inches long and 4 to 6 inches in diameter. Shell hard and smooth, dark green with sometimes a blotch of red at pointed end. Will keep as long as the Hubbard.

**GIANT SUMMER CROOKNECK.** 55 Days. The largest and one of the earliest summer varieties; fruits often 2 to 2 1/2 feet long, very warty and deep orange in color.

**EARLY WHITE BUSH SCALLOP.** 60 Days. Very early summer squash; also known as Patty Pan.

**EARLY YELLOW BUSH SCALLOP.** 60 Days. A true bush. Earlier and smaller than the above.

**BANANA.** 120 Days. A prolific, oblong variety 2 1/2 feet in length by 6 inches in diameter, having a gray-green shell, with irregular stripes and dashes of a darker shade, distinctly pointed at the blow end; solid, dry flesh with small seed cavity.

**GOLDEN HUBBARD.** 110 Days. Similar to the old Hubbard in form and habit, though smaller and decidedly earlier; shell moderately warted, rich orange-red; flesh deep orange, fine quality; good keeper.

**IMPROVED HUBBARD.** 120 Days. The standard Winter Squash. Shell moderately warted; deep dark bronze-green; flesh bright yellow, fine grained, thick and dry.

**CHICAGO WARTED HUBBARD.** 120 Days. Similar in quality and form to the Hubbard, but fruit larger and a little later.

**SWEET POTATO.** Fruit light yellow with green stripes, 6 to 8 inches long and thick flesh.

**TOBACCO**

**CULTURE**—A very clean piece of land is best for tobacco. It is customary to burn a piece of land in the woods for plant beds. This destroys grass, weeds and insects, adds fertility through the action of the wood ashes, and leaves the ground in good order. The seeds are sown about February and protected by plant-bed cloth to keep off tobacco flies. When large enough and weather is settled (about June), set the plants out in highly manured or fertilized soil in 3 1/2-foot rows, 3 feet between the plants. Constant care must be given, cultivating, suckering, worming, etc. Methods of curing differ according to the variety and color; 1 ounce sows 50 square yards, sufficient to set 2 or 3 acres.

**JUDY'S PRIDE.** This type of White Burley is the best of any variety grown in this section. Makes the largest yield and the highest grade of leaf, which is much superior to that grown in other sections. Good, bright leaf, small stem and wonderful flavor. Pkt., 10c; oz., 50c; postpaid.

The following varieties are old standards: Red and White Burley. Sweet Oronoco, Yellow Prior. Pkt., 10c; oz., 50c; postpaid.

**RED ARROW GARDEN SPRAY**—Ideal for home gardening. See Page 9.

**SPHAGNUM MOSS**—For packing vegetable plants. \$2.25 per bale, f. o. b. our store.

★ Heathful Eaten  
Cooked or Raw ★

# TOMATOES

★ Star  
Brand ★

Our Improved Tomato Seed Is Grown Strictly for Seed Purposes Only. They Are Not a Hit and Miss Lot of Seed from some Canning Factory.

## TOMATOES

Pkt., 10c.

**CULTURE**—One ounce of seed will produce from 2,000 to 3,000 plants. Sow the seed in hotbeds during March. When the plants are 2 inches high transplant into cold frames, plant boxes, paper pots or earth bands. After all danger of frost is over, set these plants into the open ground. The soil should be warm, mellow and fertile. Set plants 4 feet apart each way. Cultivate often and as long as the plants permit. By training the tomato vines on trellises or tying to stakes, the fruit will ripen better and be of finer flavor. A wire fence is a good support. When frost is feared in the fall, pull the laden vines and hang in a shed or cellar and many will continue to ripen. When transplanting, mix one level teaspoonful of Vigoro thoroughly with soil in which plant is to be set. When flowering starts, apply one level tablespoonful of Vigoro within 6-inch circle around plant, keeping it off stems and leaves. Repeat application every two to three weeks.

1 oz. to 2,000 plants.

Set 3 feet apart takes 4,840 plants per acre.

Set 4 feet apart takes 2,723 plants per acre.

**STONE.** 86 Days. The standard and general favorite with truckers and canners; always dependable, very vigorous and productive; fruits round, large, solid, smooth and deep red in color.

**GREATER BALTIMORE.** 82 Days. A heavy fruit bearing variety; earlier and more productive than the Stone. Fruits large, solid, round, red and free from blemish. Ideal for canning or the garden.

**MARGLOBE.** 79 Days. Earliest wilt resistant variety. This fine tomato is the result of a crossing of the Early Marvel with the fine flavor and form of the Globe. The meat is solid, has very few seeds, non-acid and has a rich red color, is excellent for local market and is one of the leading canning varieties.

**EARLIANA (Spark's).** 64 Days. The earliest and best of the very early tomatoes; very productive for an early sort; fruit of fair size, round, very smooth and solid, and produced in clusters in center of the plant; color bright scarlet.

**BONNY BEST.** 73 Days. About a week earlier than Chalk's Jewel; fruit somewhat smaller, very smooth, round, solid and uniform, and produced in clusters in center of the plant; ripens uniformly and is very productive; color bright red.

**RUTGERS.** 75 Days. Globe shaped, small seed cavity. Ripens from the inside out. One of the heaviest croppers; recommended for canning and juice.

**CHALK'S JEWEL.** 74 Days. An exceptionally fine variety, about ten days later than Earliana; fruit uniformly smooth, round and solid; color crimson.

**CRIMSON CUSHION or ENORMOUS.** 90 Days. The largest of the bright red tomatoes; really a Red Ponderosa.

**JOHN BAER.** 70 Days. An early, productive red tomato on the order of Chalk's Jewel. We have a splendid, uniform stock of this variety.

**JUNE PINK.** 70 Days. In habit of growth, productiveness and size of fruit identical with Earliana, differing only in having purple fruit; the best extra early purple variety.

**OXHEART.** 100 Days. The largest of all tomatoes, purple fruits often weighing up to a pound and a half. Of distinct "ox-heart" form, very solid, with few seed cells.

**PONDEROSA.** 90 Days. An exceptionally large, purple-fruited tomato, and for home use one of the best; fruit very solid, with few seeds.

**PRITCHARD.** 73 Days. A mid-season scarlet fruited sort, which is resistant to Fusarium Wilt and to Nail Head rust. Vine vigorous and productive. Fruit nearly globular in shape.

## TOMATOES

**NEW VARIETIES—TRY THESE**  
**VALIANT.** 68 Days. Fruits firmer and better quality than Earliana. Bright scarlet.

**STOKESDALE.** 70 Days. Fruits larger and more solid than Bonny Best. Brilliant red.

## TURNIPS

Pkt.  
5c

Oz.  
10c

**CULTURE**—For early use sow very thinly in March or April in drills from 12 to 15 inches apart; thin out to 6 inches in the rows. For fall or winter crop, sow in July and August. The old saw: "On the twentieth of July, sow your turnips, wet or dry," is good advice and sow very sparingly—one seed to the inch is enough. The Rutabagas are grown for feeding stock, and are also excellent for table. One ounce will sow 150 feet of drill; 1 to 1½ lbs. to the acre.

**PURPLE TOP WHITE GLOBE.** Almost a perfect globe in form; flesh and skin white, colored purple or red, above ground; very fine grained and sweet; a superior variety.

**PURPLE TOP STRAP LEAVED.** The most widely cultivated and best known variety; a very early, productive sort; roots are flat, medium sized, purple or dark red above ground, white below; flesh white, tender and fine grained.

**POMERANIAN WHITE GLOBE.** One of the largest and most productive; roots often grow to weigh 10 to 12 pounds, are globe shaped, slightly flattened; skin smooth and white; for stock feeding.

**AMBER GLOBE (Green Top).** One of the best yellow-fleshed sorts; roots globular and of large size; skin clear yellow except the top, which is tinted green.

## VEGETABLE PLANTS and ROOTS

We have the best equipped Greenhouses and Trial Gardens in the Southwest for growing plants; 55,000 square feet of glass.

In their proper seasons we shall have large quantities of all kinds of vegetable plants of our own growth. Give us ample time to select, pack and ship your order. By doing so you will secure better plants. Should we be sold out of the variety of plants ordered, we will send a nearly similar kind instead. They will be carefully packed and will carry long distances. Plants by mail at purchaser's risk. No charge for packing, etc. Special prices to growers and canners.

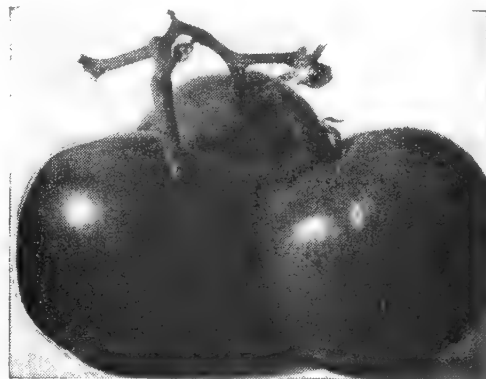
**TRANSPLANTED PLANTS WILL BE SENT UNLESS OTHERWISE STATED ON YOUR ORDER**

CABBAGE—				
Frost Proof Transplanted,	Doz.	100	1000	Ready About
home grown...	\$0.20	\$1.25	\$7.50	Feb. 15
Tomato, Trans..	.20	1.25	8.50	April 1
Peppers, Trans..	.25	1.50	...	April 15
Cauliflower, Tns.	.25	1.50	...	Apr. 15
Sage, Clumps.....	...	.50c	each	Mar. 15
Eggplant, Trans.	.25	1.50	...	Apr. 15
Celery .....	.15	1.00	...	April 1
Sweet Potatoes—				
Standard .....	..	.60	5.00	May 1
Nancy Hall....	..	.60	5.00	May 1
Parsley .....	.25	1.50	...	April 1
Chives, bch.....	.15	1.00	...	...
Asparagus Roots	.75	4.25	...	...
Horseradish Rts.	.95	...	...	...

Prices quoted above on plants are at our store only. By parcel post add 12c for first dozen, 5c for each additional dozen, for postage and packing.

**FERMATE.** For control of blight on tomatoes. 3-lb. bag, \$2.25.

**TWINE**—For tying Tomatoes. Ask for prices.



Marglobe

## SPECIAL TOMATO PLANTS

Make excellent preserves. Be sure to plant a few of these.

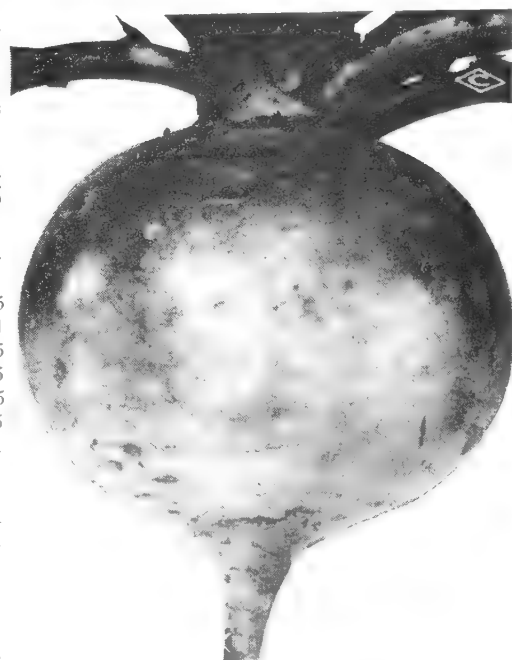
Red Varieties:

Red Cherry  
Red Plum

Yellow Varieties:

Yellow Cherry  
Yellow Plum

35c per dozen, postpaid.



Purple Top White Globe



# INSECTICIDES and FUNGICIDES

ACME ALL ROUND SPRAY

ACME ANT KILL.

ACME APHIS SPRAY.

ACME EMO NIC.

ACME KOPPER KING.

PARIS GREEN.

ACME RED RIVER POTATO MIX.

ACME ROTENONE GARDEN GUARD

ACME WEED KILLER.

WETTABLE DUSTING SULPHUR.

ANSUL (Formaldehyde) DUST. 1 lb., 50c; 5 lbs., \$1.50.

## "Death Notice"

Rats . . Moles . . Gophers

Gas them to death with

SMITH'S RODENT DESTROYERS

We guarantee that the gases (when used according to directions) given off by Smith's Rodent Destroyers will kill all burrowing rodent pests.

Each, 15c; 2 for 25c; doz, \$1.15, prepaid.

**ARSENATE OF LEAD.** (Powdered.) Controls practically all leaf-eating insects in an efficient manner. Used either for dusting or spraying. 1 to 1½ lbs. diluted to 50 gallons of water if used as a spray.

**BEA BRAND INSECT POWDER.** ¾ oz., 10c; 2 oz., 25c.

## "BLACK LEAF 40"

40% Nicotine

An Insecticide for  
PLANTS—ANIMALS—POULTRY

Is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully. 1-oz. bottle, 35c; 5-oz. bottle, \$1.00, (makes 40 to 100 gallons); 1 lb., \$2.50; 2-lb. can, \$3.70, (makes 200 to 500 gallons); 10 lbs., \$11.65.

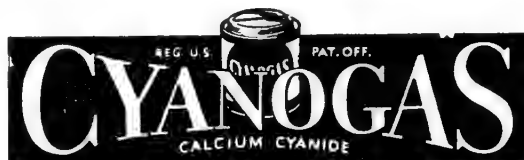


## Tri-Ogen

A complete rose spray. Concentrated insect spray and fungicide for garden and greenhouse plants. Size E-Kit, \$1.35; Size A-Kit, \$2.25.

**BORDEAUX MIXTURE.** Much used to cure and prevent mildew, blight, black rot, leaf curl or other fungoid diseases on fruits and plants. Can be applied dry or wet. 1 lb. will make 8 gallons of liquid.

**COMMERCIAL SULPHUR.** Lb., 5c; 25 lbs. for \$1.00; 100 lbs., \$3.50.



**CYANOOGAS**, a Dust. Rats, Moles, Woodchucks. Cyanogas is not a bait! It is different! Simply pump it into the rat burrows or mole runways—for woodchucks a heaping tablespoonful placed in the burrow is sufficient. Cyanogas seeks the pests and kills them instantly. 1 lb., 98c; 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00. Prices subject to change.

**CYANOOGAS ANT-KILLER.** For use in ant nest. Simple to use and very effective. 4-oz. glass, 39c each.

**COPPER SULPHATE** (White Vitrol Flakes). 1 lb., 15c; 10 lbs., 12c per lb.

**COPPER SULPHATE** or **BLUE-STONE.** Lb., 15c.

**FERMATE.** For control of blight on tomatoes. 3-lb. bag, \$2.25.

**ALCO CRYOLITE.** For the extermination of bean, cucumber, muskmelon and watermelon beetle. lb., 40c.

**"43."** For the tree. Liquid or paste. Lb. can, 25c.

**FISH OIL SOAP.** A non-poisonous soap to be diluted with water to kill soft-bodied insects, such as aphids, red spiders, thrips, etc. 1-lb. can, 30c.

**FLOWERS OF SULPHUR.** Lb., 10c; 10 lbs., 70c.

**LIME SULPHUR SOLUTION.** In barrel lots, about 55 gallons to barrel. Ask for prices.

5 gal. can, 50c gal.; 1 gal. glass jug, 65c gal.

**OIL EMULSION.** Bbl. lots only; ask for prices.

Please note we offer above two items in original barrel lots only.

**LIME-SULPHUR, DRY.** Exactly like Lime and Sulphur. For fall and spring sprayings. Use 12 to 15 lbs. to 50 gallons of water. Lb., 35c; 5 lbs., \$1.40.

**LORO.** For Chrysanthemum Midge. Pt., \$2.00; gal., \$9.75.

**MASH NIC.** For the extermination of Poultry Roundworm. 2 lbs., 50c; 10 lbs., \$1.50.

## SODIUM CHLORATE

Kills Weeds for Keeps

Used for permanent killing of Bindweed and other undesirable vegetation. Spray on foliage and it kills to the root tips. Weeds rob the farmers of millions of dollars yearly. Keep your land WEED-FREE, use Sodium Chlorate. 20c per lb., \$16.00 per 100 lbs.

**PARADICHLOROBENZENE.** (For Peach Tree Borer.) Lb., 30c.

Prices on Insecticides and Fertilizers are at our store only and are subject to change without notice.

POTTASSI SULPHURATED. Oz., 15c.



... no unsightliness following garden dusting! A few strokes of the exclusive EndoPest dust gun envelops your plants in an almost-invisible protecting film... gives you control over most chewing insects, sucking insects and fungus diseases! Use with confidence on edible fruits and vegetables. We have refill cartridges for the guns.

MADE BY SWIFT

MAKERS OF VIGORO

10-oz. Applicator Gun (complete), 79c each; 10-oz. Refill Cartridge, 59c each; 2-lb. Pouring Spout package, \$1.50 each; 4-oz. Sifter Top package, 25c each.

**SLUG SHOT.** A fine reddish dust harmless to plants, but powerfully effective against all kinds of worms, beetles and bugs, besides being a splendid fungicide. 1-lb. sifter can, 35c; 5-lb. pkg. for \$1.25.

**K R P ROACH SPRAY.** Stainless, fragrant and efficient. Kills Flies, Moths, Mosquitoes, Roaches, Bed Bugs, Water Bugs, Silverfish, Fleas, Lice and Weevils. 8-oz. size, 90c.

**STIM-U-PLANT TABLETS.** A fertilizer in tablet form. The tablets contain the essential plant foods in highly concentrated form and are therefore very convenient for house use. Package, small size, 30 tablets, 35c; medium size, 100 tablets, \$1.00; large size (pail), 1000 tablets (enough for season's supply for medium sized garden), \$5.00. Keeps Lawns Fresh and Green.

**SWEENEY'S POISON WHEAT.** For exterminating rats, mice, moles and gophers. 20c box.

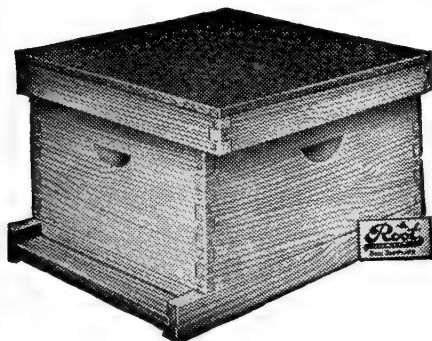
**TERRO.** A sure cure for ants. 25c and 50c bottles.

**TERRO ROACH OR RAT KILLER.** 35c each.

**TREE TANGLEFOOT.** A paste preparation painted around trunk of tree to keep caterpillars, etc., from crawling into tree. 1-lb. can, 80c.

**VOLCK.** Spray for the control of red spider, mealy bug, scale, thrips, white fly, aphids and rose mildew. Combines with nicotine and lead arsenate. Pint, 50c; gal., \$2.25.





Ten-Frame Metal Covered Hive

## BEE SUPPLIES

If you live in the suburbs, or on a farm, keep a few stands of bees; they will amply repay you for the little attention they require, and will often return you a splendid profit.

We handle a full line of the I. A. Root Co. Bee Supplies. The standard of the world. Write for our Bee Supply Catalog.

You will be interested in this new catalog because you naturally are interested in making your beekeeping profitable. It offers a complete line of high quality supplies for profitable beekeeping.



Standard Smoker

## D. D. T. AIROSOL

Automatic Pressure Atomizer

This insecticide is very effective on most all commonly encountered household insects, such as Roaches, Water Bugs, Silverfish, Moths, Ants, etc. Do not over-spray; four to six seconds of spraying per average room will give desired results. One bomb will spray 70 rooms 10x10 feet. Simple and handy to use. 16 oz. size, \$2.90, postpaid.

## "DEENATE" 50-W

A wettable powder especially prepared to mix readily with water for spraying. Contains 50% DDT. High DDT content gives sprays with minimum visible residue—an advantage on many crops.

**USES:** For controlling insects attacking fruits, vegetables, animals or occurring in buildings where residue on surfaces is not objectionable.

**TO USE:** On Crops—1 to 2 lbs. to 100 gallons of water. In Buildings—1 lb. to 1 gallon of water—using 1 gallon of spray to 2000 sq. ft. of surface. Gives white residue which has long after-effect killing flies, mosquitoes, etc.

**On Animals**—as a spray for cattle including milk cows, horses and dogs—1 lb. to 12 to 25 gals. water makes a ½ to ¼% DDT concentration which kills lice and horn flies; for ticks, stable flies, etc. as much as 1 lb. to 3 gals. water may be needed. As a dip 1 lb. "DEENATE"—50-W to 25 to 50 gal. water gives a ¼ to ⅛% DDT concentration.

1-lb. size, 90c; 4-lb. size, \$1.80

On items not marked prepaid, please include sufficient carrying charge if to go by parcel post.

## BASKETS

Market Baskets—	Per doz.
½-bu. size.....	\$1.80
¼-bu. size.....	1.65

F. O. B. our store.

1-bu. size Apple Baskets  
18-lb. Tomato Baskets  
5-lb. Grape Baskets

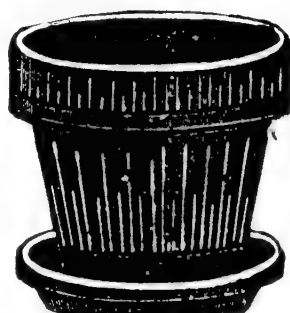
ASK  
FOR  
PRICES

## FLOWER POTS

Measure across top. Saucers one-half price of pots.

At Our Store Only  
POTS ONLY.

	Each	Doz.
2¼ inch.....	\$0.05	\$0.50
4 inch.....	.10	1.00
5 inch.....	.15	1.50
6 inch.....	.20	2.00
7 inch.....	.25	2.50
8 inch.....	.35	3.50
9 inch.....	.50	5.00
12 inch.....	1.25	...



Prices on all items listed on this page F. O. B. our store and subject to change.



## PERFECTION DOG FOOD

Is a well balanced ration, consisting of Corn Flakes, Cream of Wheat, Grapenuts and other cereal foods—combined with clean dried meats, not scraps or waste. The cooked, prepared, and balanced meat-meal cereal food for your hunting dog; for dogs of all breeds, puppies of all ages. It's not only a food, it's also a "tonic" and will prevent skin disease. It gives your dog the "Hunting Spirit—Full of Pep."

5-lb. bag.....	\$0.60	25-lb. bag.....	\$2.60
10-lb. bag.....	1.15	50-lb. bag.....	5.15

F. O. B. Our Store

Prices Subject to Change.

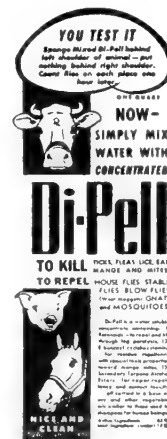
Ask for prices on Perfection Whole Biscuits, Charcoal Biscuits, Cubes (Meat-Cereal Formula).

## DI-PELL

To Kill Ticks, Fleas, Lice, Ear-Mange and Mites.

To Repel House Flies, Stable Flies, Blow Flies, Gnats and Mosquitoes.

Used extensively by fancy dog breeders. Send for free circular. 2-oz. bottle, 25c; pint bottle, \$1.75; quart bottle, \$3.25; gallon bottle, \$10.50.



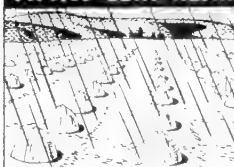
## HOTKAPS

PROTECT CROPS AND PAY PREMIUM PROFITS

FROST can't hurt



RAIN can't harm



INSECTS can't touch



HOTKAPS eliminate weather and insect damage. These patented wax paper cones form miniature hot houses over each plant, promote sturdy growth and bring crops to maturity 2 to 3 weeks earlier. Thousands of farmers are getting premium prices, making big money every year by using HOTKAPS. Inexpensive to buy. Easy to set out. One man can place 2000 or more per day.

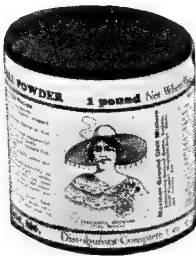
Prices: 1000 for \$14.65; 250 package with Setter and Tamper, \$4.65; 100 package with Setter and Tamper, \$2.75; HotKap Home Garden package, 70c; Steel Setter, \$1.95; Fiber Board Garden Setter, 20c. Postage extra.

CHRISTMAS and HOLIDAY—STREET and STORE DECORATIONS

The Ozark Mountain Wreathing is manufactured by us. It weighs from 25 to 30 lbs. to the coil of 20 yards. This material is harvested by us in the Ozarks woods, brought to our establishment in trucks and wound by machine on wire or cord core.

We are Springfield's Pioneer Telegraph Florists. Flowers delivered anywhere; 100% value guaranteed. CITY PHONE 21; Long Distance Private Wire, L. D. 4. Greenhouse and Floral Supplies. MAY WE SERVE AND PLEASE YOU?

SPRINGFIELD SEED CO.'S (STAR BRAND)  
MEXICAN CHILI POWDER IS PAR  
EXCELLENT



Full Directions, "How to Make Good Chili," Mexican Style. On Every Can.

Containing ground spices, chili pepper, Mexican sage, comino, celery, garlic, etc.

¼-pound sealed can, metal bottom and top, each.....	\$0.20
½-pound sealed can, metal bottom and top, each.....	.35
1-pound sealed can, per lb.....	.50
5-pound sealed can, per lb.....	.43
25-pound lots, per lb.....	.42
50-pound lots, per lb.....	.41
100-pound lots, per lb.....	.40
Barbecue Spice, ½-lb. can.....	.25

Not postpaid.

GARLANITE

The original Glazing Compound for Greenhouse and Hot-Bed glass. 1 gallon, \$3.75; 5 gallon lots, \$3.65 per gallon.

Shading Compound, 15c per lb.

Quick easy Cleaner, lb., \$1.35; 25 lb. lots, \$1.10 per lb.

PEAT MOSS. A moisture retaining humus. Good for breaking up hard clay soils and to prevent hard top crusting. Bushel size, 50c; large bales, \$4.50, about 100 lbs.

CHILI SUPPLIES  
STRICTLY FRESH—NEW CROP.

	Oz.
Comino .....	\$0.05
Chili Pepper Pods.....	.10
Chiline, ground .....	.10
Mexican Chili Powder Mixture.....	.10
Chili Petine Pods .....	.15
Oregano or Mexican Sage.....	.10
Garden Sage .....	.10
Oriental Pepper, hot.....	.10
Mexican Garlic .....	.05
Chili Beans .....	Ask for Price
Pepper, Cayenne, Red Hot.....	.10
Pepper, ground, black, in bulk.....	.10
Paprika .....	.10
Caraway .....	.10
Star Anise Seed.....	.10
Anise Seed .....	.10
Poppy Seed .....	.10
Celery Seed .....	.10
Coriander Seed .....	.10
Yellow Mustard Seed.....	.05
Tumeric, Powdered .....	.10
Dill Seed .....	.10
Bay Leaves .....	.10
Mixed Pickling Spices, special mix.....	.10

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.  
Recipes for Making Mexican Dishes Sent Free on Application. Not postpaid.



BIRD SEEDS, ETC.

	Lb.
Mixed Bird Seed.....	\$0.35
Hemp Seed .....	.40
Canary .....	.25
Bird Millet (recleaned).....	.15
Sunflower Seed for Parrots.....	.30
Bird Lettuce .....	Oz., 15c .80

	Pkg.
Bird Biscuit (Sing Song).....	\$0.25
Spratt's Song Food.....	.25
Bird Gravel .....	.15

Postpaid.

TREE LABELS—Painted

3½x5½ inch, wired .....	\$3.75 M
3-PLY COTTON TWINE.....	Ask for Prices

POT or GARDEN LABELS

	Painted
Wooden—	100 1,000
4-inch .....	\$0.50 \$2.75
6-inch .....	.70 3.75
8-inch .....	.80
10-inch .....	1.00

GREEN BAMBOO CANE STAKES. 3 ft. size, for tying up flowering plants. \$2.50 per 100.

BULBS FOR FALL PLANTING  
Autumn 1949

For Flowers, use  
**VIGORO**

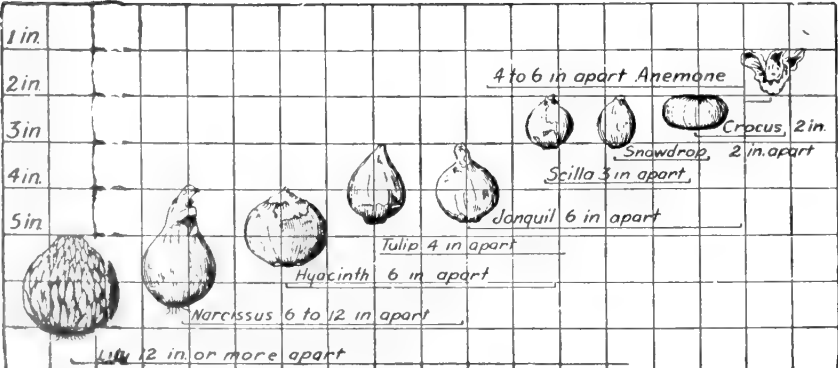


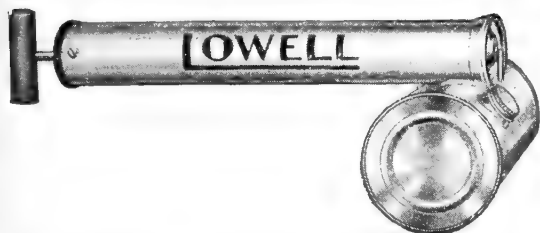
DIAGRAM SHOWING DEPTH TO PLANT OUTDOORS.

Since 1896 Springfield Seed Co.'s Bulbs for Fall Planting are known for their high standard of quality.

Bulbs Indoors do not require such deep planting as indicated in the diagram, being no danger from freezing and thawing to guard against

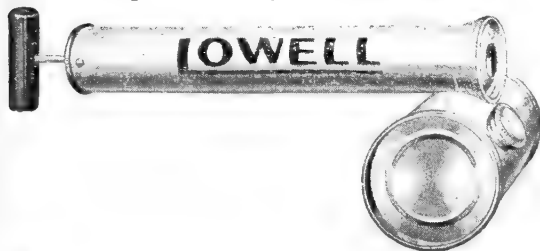
A COMPLETE  
LINE OF ....

# • Sprayers • • Dusters •

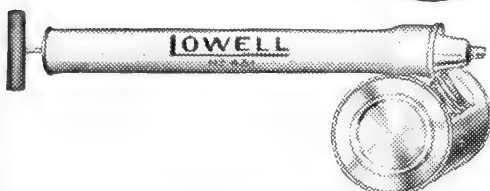


## HAND SPRAYERS

The **LOWELL PREMIER** No. 270 can be used for any spraying job around the home or garden, for shrubbery, vines, or in the poultry house. Will handle any disinfectant or insecticide. Pump is securely anchored in top of tank. Quart size, 65c, postpaid.



The **NU-DAY** No. 265. The housewife demands a sprayer that will not leak, drip, nor syphon; one that is neat in appearance and easy to use. The NU-DAY meets all of these requirements. Pint size, 55c, postpaid.



The **LOWELL SENATOR** No. 431 is an attractively priced quart capacity continuous sprayer. Adapted for use in homes, apartments, hotels, restaurants and clubs with fly oils, moth liquids, disinfectants, deodorants, etc. Produces a generous volume of vaporized spray. 85c each, postpaid.

## COMPRESSED AIR SPRAYERS



The **LOWELL STREAMER** No. 94—Seal-Tite Nu-Top. Capacity 3 3/4 gallons. The No. 94 STREAMER combines strength, safety and efficient performance. Handles insecticides, disinfectants, fungicides, whitewash and cold water paints. Adapted for all compressed air sprayer uses around gardens, homes, barns and other buildings. Galvanized tank. \$6.90 each, not prepaid.

The **LOWELL PENNANT** No. 46—Seal-Tite Nu-Top. Capacity 4 gallons. The No. 46 PENNANT presents the best in compressed air sprayers. It has large capacity, superior construction and safety features that make it a real "pennant" winner. It will handle all insecticides, disinfectants, fungicides, whitewash and cold water paints. Ideal for truck gardens, orchards, vineyards, dairy barns, hog pens or chicken houses. Galvanized tank. \$8.35 each, not prepaid.

## HAND DUSTERS



The No. 463 **SENTRY** is fine for use with all insect powders. Its convenient size makes it a favorite in applying roach, ant and various bug powders. 60c each, postpaid.



The No. 367 **GENERAL** is a duster with capacity large enough for use in stores, restaurants, soda fountains, etc. It will handle all powdered insecticides. Made of heavy tin. 70c each, postpaid.

**ACME STOP**—A sticky barrier used to band trees, shrubs and vines to prevent insects from crawling up to the foliage. Its principal use is on shade trees, apple trees, as well as grape vines. 6 oz., 35c; 1 lb., 65c. Postpaid, 45c and 75c.



## ACME ALL ROUND SPRAY

For roses, azaleas, other flowers, shrubs, vegetables and vines. When applied to roses it will control rose chafer, leaf-hopper, aphid, sawfly and Japanese beetle, as well as such diseases as black spot and mildew. 1 lb., 95c; 4 lbs. for \$3.35.

# Springfield Seed Company's Commercial Sulphur Tobacco Dust

## "TRIANGLE BRAND"

99 1/2% PURE

For Medical Purposes, as well as for the control of pests and fungi in Horticulture and Agriculture and for the control of external parasites on poultry, such as lice, mites, fleas, ticks and soil sulfurization in poultry pens.

1-lb. bag.....10c	10-lb. bag.....50c
3-lb. bag.....25c	25-lb. bag.....\$1.00
100-lb. bag.....\$3.50	
f. o. b. our warehouse.	
10 bag lots 10c per bag less	
(Packed in 50-pound bags)	

A well known product on the market "USED THE YEAR ROUND" for poultry feeding and worm eradication, for horticultural and agricultural purposes.

## SPRINGFIELD SEED COMPANY'S TOBACCO DUST

Contains the right amount of Nicotine, and is an eradicator of poultry ills. For poultry feeding mix 2 pounds of Springfield Seed Company's Tobacco Dust with each 100 pounds of feed or mash.

1-lb. bag.....10c	10-lb. bag.....70c
3-lb. bag.....25c	25-lb. bag.....\$1.50
\$5.00 per 100 lbs., f. o. b. our warehouse.	
10 bag lots, 10c per bag less	
(Packed in 50-lb. paper lined bags.)	

## Wettable Sulphur

An extra fine prepared sulphur. Mixes readily with water in combination with Lime, Arsenate of Lead, etc. This Sulphur is one of the finest and best materials of its kind, as it really stays in suspension and therefore gives the needed results.

4-lb. pkg., 60c; f. o. b. Our Store.

## Superfine Sulphur

325 Mesh. For dusting red spider, mildew on roses: 1 lb., 10c; 3 lbs., 25c; 10 lbs., 70c; 25 lbs., \$1.50, F. O. B. our store.



# Spraying Guide for Fruit

CROPS	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gal. of Water	50 Gals. of Water	
PEACH PLUM CHERRY APRICOT	Scale, Insects and Leaf Curl	Lime-Sulphur Sol. Oil Emulsion or Dry Lime-Sulphur	1 pint ¼ pint 18-20 teaspoonsful	5-7 gallons 2 gallons 12-15 pounds	Before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Shot Hole or Fungi Curculio	Zinc Sulphate Arsenate of Lead	1 teaspoonful 2 teaspoonsful	2 pounds ¾ to 1 pound	Combine with petal fall and later sprays Use in combination with Dritomic Sulphur on petal fall, shuck and cover sprays.
	Scab and Brown Rot	Dry Mix, Dritomic Sulphur	12-20 teaspoonsful 8 teaspoonsful	5-10 pounds 2½ pounds	1. When most of shucks are off. 2. Two weeks after shucks have dropped. 3. Four weeks before picking if necessary.
	Borers	Paradichlorbenzene Ethylene Dichloride Emulsion	1 oz. 2 in. from trunk of tree Sprinkled around trunk of tree		In the fall or spring. In the fall or spring.
APPLE PEAR	Scale Insects and Blister Mites	Lime-Sulphur Sol. Dry Lime-Sulphur	1 pint 18-20 teaspoonsful	5-7 gallons 12-15 pounds	Dormant and delayed dormant. When buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime-Sulphur or Lime-Sulphur Sol. with Arsenate of Lead	12-16 teaspoonsful 5-6 teaspoonsful 1/5 pint 3-8 teaspoonsful	6-8 pounds 3-4 pounds 1¼-1½ gallons 1-1½ pounds	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petals fall.
	Later Codling Moth For Blight at full blossom Blotch	Arsenate of Lead Bordeaux Dritomic Sulphur	3-8 teaspoonsful 12-16 teaspoonsful 3 teaspoonsful	1-1½ pounds 8 pounds 1 pound	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide.
	Aphids (Plant Lice)	Black Leaf 40	1 teaspoonful	½ pint	Combine with other spray and apply when Aphids appear.
GRAPE	Chewing Insects Black Rot-Mildew	Arsenate of Lead Bordeaux Mixture	2 teaspoonsful 12-16 teaspoonsful	1-1½ pounds 6-8 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Leaf Hopper	Black Leaf 40	1 teaspoonful	½ pint	Apply when first nymphs of the Hopper acquire wings.
BLACKBERRY DEWBERRY RASPBERRY	Rose - Scale, Cane-Blight, Leaf-Spot and Anthracnose	Dry Lime-Sulphur	9 level tablespoonsful	12 pounds	In spring before growth starts.
	Anthracnose	Dry Lime-Sulphur	2½ level tablespoonsful	8 pounds	Just before the bloom.
STRAWBERRY	Leaf-Spot, Flea Beetle and Leaf-Roller	Pestroy	7 level tablespoonsful	7 pounds	1 Before the blossoms open. 2 As soon as the fruit has been picked

**For Efficient and Easy Application Use a Lowell Sprayer . . . See Page 35.**

## FULL LINE OF GREENHOUSE PRODUCTS

## INDEX

## GARDEN SEED

Complete Garden List.....	20-21
Vegetable Planting Guide.....	28
Asparagus .....	6-21
Beans .....	22
Beets .....	23
Broccoli .....	21
Brussels Sprouts.....	21
Cabbage .....	23
Carrots .....	23
Cauliflower .....	24
Celeriac .....	24
Celery .....	24
Chicory .....	24
Chives .....	24
Collards .....	24
Corn, Sweet .....	24
Cress .....	24
Cucumber .....	25
Eggplant .....	25
Endive .....	25
Garlic .....	25
Herbs .....	24
Horseradish Roots.....	6-31
Kale .....	25
Kohl-rabi .....	25
Leek .....	25
Lettuce .....	25
Muskmelon .....	26

Mustard .....	25
Okra .....	26
Onion Plants .....	28
Onion Seed .....	28
Onion Sets .....	28
Parsley .....	27
Parsnip .....	27
Peanuts .....	28
Peas .....	29
Pepper .....	27
Pop Corn .....	27
Potatoes .....	30
Potatoes, Sweet .....	30
Pumpkin .....	27
Radish .....	29
Rhubarb or Pie Plant .....	6-30
Sage .....	31
Salsify .....	30
Spinach .....	30
Squash .....	30
Tobacco .....	30
Tomatoes .....	31
Turnips .....	31
Vegetable Plants and Roots .....	31
Watermelon .....	26

FIELD SEED	
Planting Guide.....	19
Alfalfa .....	16

Barley .....	18
Bermuda Grass.....	10
Bromus Inermis.....	18
Broom Corn.....	18
Buckwheat .....	18
Cane Seed.....	18
Clovers .....	10-16-17
Corn, Field.....	16
Cow Peas.....	18
Creeping Bent Grass.....	10
Domestic Rye Grass.....	10-18
Feterita.....	18
Flax.....	18
Hegari .....	18
Johnson Grass.....	18
Kaffir .....	18
Kentucky Blue Grass.....	10-16
Lawn Grass Seed.....	10
Lespedeza .....	16-17-18
Meadow Fescue.....	16
Millet .....	17-18
Milo Maize.....	18
Mung Beans.....	18
Oats .....	18
Orchard Grass.....	16
Rape .....	18
Red Top.....	16
Rye .....	16

Seed Corn.....	16
Sorgo .....	17
Soy or Soja Beans.....	18
Sudan Grass.....	17
Sunflower .....	18
Timothy .....	16
Vetch .....	18
Wheat .....	18

## MISCELLANEOUS

Bedding Plants.....	14
Bee Supplies.....	33
Bird Seed.....	34
Bulbs.....	14-15-34
Chill Supplies.....	34
Christmas Decorations.....	34
Dog Food.....	33
Fertilizer.....	10
Floral Department.....	34
Flower Pots.....	33
Flower Seeds.....	11-12-13
Greenhouse and Floral Supplies.....	10-32-33-34
Inoculant.....	17
Insecticides.....	3-10-32-33-35
Nursery Stock.....	2 to 9
Peat Moss.....	10-34
Rose Bushes.....	2
Semenes.....	18-25

FROM \_\_\_\_\_

\_\_\_\_\_

Springfield Seed Company,

SPRINGFIELD,

MISSOURI





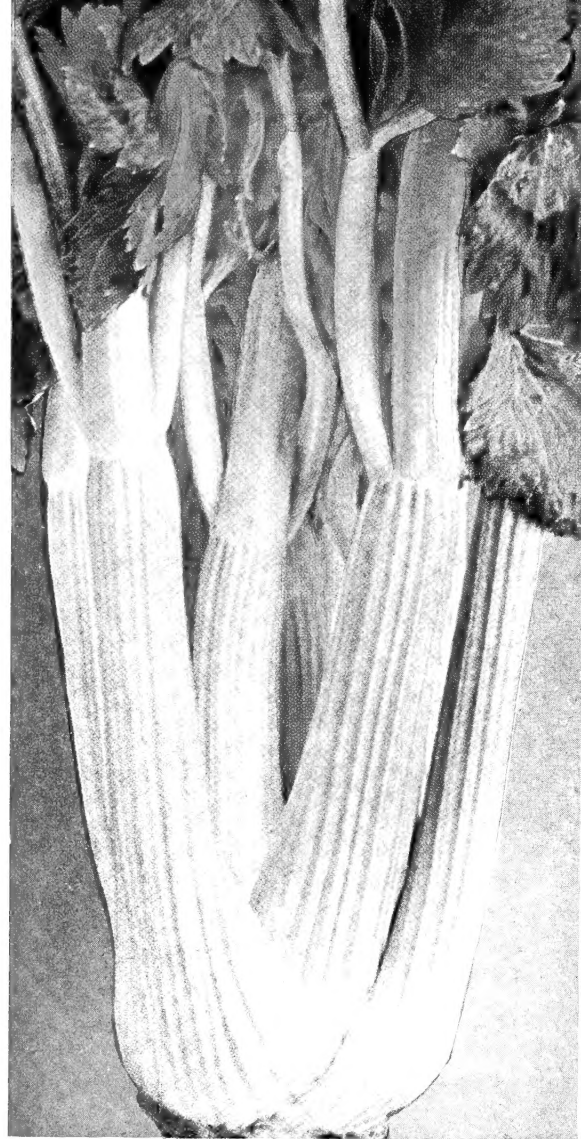


SPRINGFIELD, MISSOURI

Leave this space blank.

**COMPLETE GARDEN SEED LIST, PAGE 2.**





CELERY, GOLDEN PLUME. See Page 24



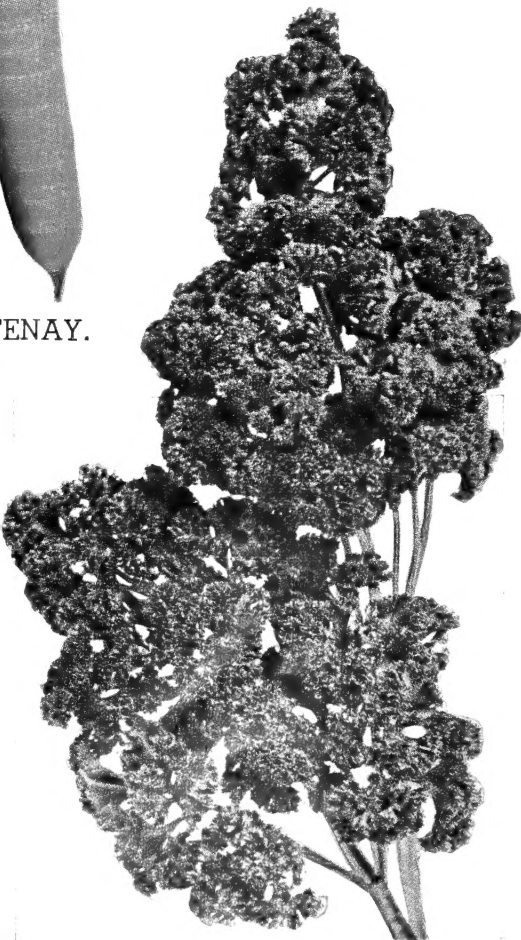
RADISHES. See Page 29



CARROTS, CHANTENAY.  
See Page 23



# Vegetables



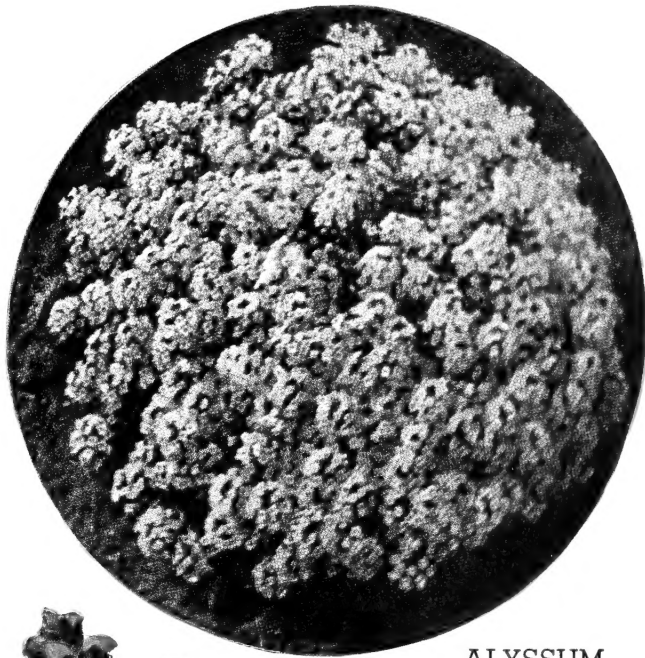
PARSLEY, EXTRA TRIPLE CURLED.  
See Page 27

TOMATO, PONDEROSA.  
See Page 31



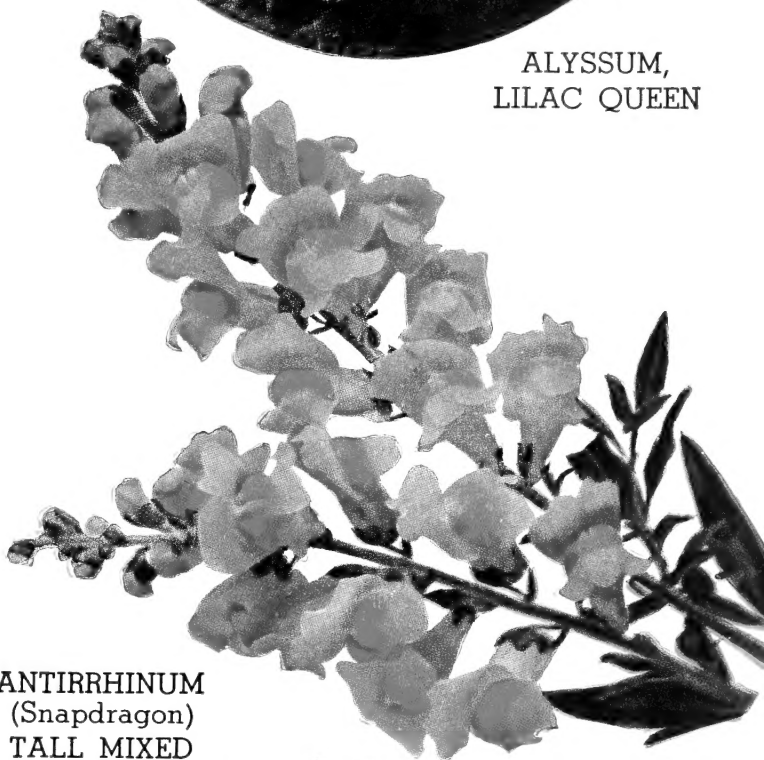


MARIGOLD, DWARF FRENCH DOUBLE



ALYSSUM,  
LILAC QUEEN

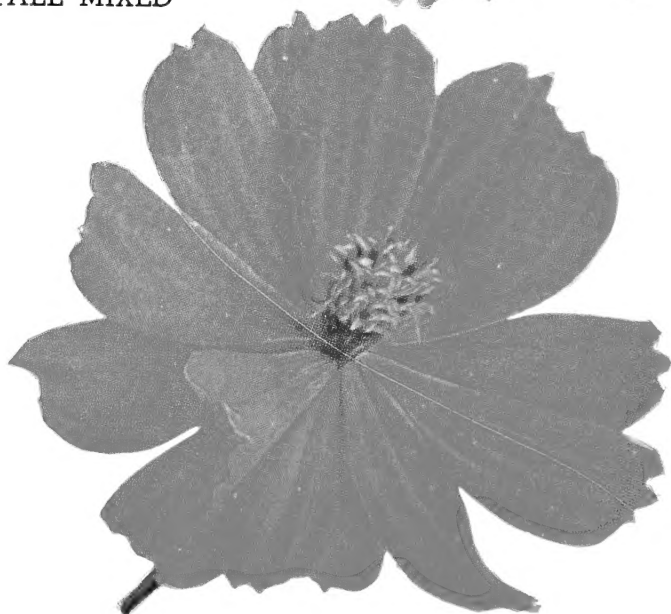
*Fine Annuals  
for  
Every Garden*



ANTIRRHINUM  
(Snapdragon)  
TALL MIXED



PETUNIAS, FINE MIXED SINGLE BEDDING



COSMOS, Early Klondyke Orange Flare

**RINGFIELD SEED CO.** **SPRINGFIELD**  
**MISSOURI**  
MISSOURI PERMIT No. 1